



MAKING A MATERIAL DIFFERENCE
FOR OVER 40 YEARS



Sign ▪ Display ▪ Graphics
Product Portfolio
2024

Sign Media

Architectural Interior

Print Media

Finishing Media

Tools & Accessories

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Introduction to All Print Supplies Ltd.

We are delighted to introduce our 2024 Product Portfolio

What can we do for you?

We are fast, flexible and friendly and we understand the demands of our graphics customers.

We've lived and breathed this sector for 40 years and we know what our customers are up against; instant deadlines, last minute changes and time pressures.

By being fast, flexible and friendly we should be able to reduce the stress levels in your business and help you to keep your customers happy.



Introduction to All Print Supplies

History

We are one of the UK's leading suppliers of roll materials to the sign, exhibition and display market and are proud to have achieved carbon neutrality in 2023.

Established in 1984, we celebrate our 40th Anniversary this year, and are still a family owned private business. We currently operate from 40,500 ft² of new premises in Slough and provide a portfolio of thousands of products, including major brands such as Avery Dennison and Mactac, for next day delivery.

We have slitting, sprocketing, rewinding and cutting machines in-house and our own applications centre with printers and cutters.

We also have a Northern Sales Office and Distribution Centre in Rotherham and currently employ 60 people.

1984 All Print Supplies was established as a supplier of self-adhesive materials to the print sector

1987 Entered the rapidly growing Computer Aided Signmaking sector

1992 Gained ISO 9002 / BS 5750 accreditation

1996 Entered the rapidly growing wide-format ink jet sector

2000 Became heavily involved in supplying solvent media for the RasterGraphics Arizona printer

2002 Launched a complete range of solvent media and moved to 26,000 ft² of new premises

2009 Won 'SBEC Environmental Management Award'

2010 Purchased Andersons, one of our main competitors

2013 Major investment in new swatch making equipment in addition to 3 new slitter / rewinders to help continue to meet the tight deadlines required

2014 Moved to a brand new 36,500 ft² high capacity warehouse with full solar power capacity making us the only carbon neutral distributor in the UK in terms of energy consumption

2015 Purchased the Sihl Direct UK business and were appointed a full portfolio Avery Dennison distributor

2016 Installed new superwide conversion equipment for fabrics

2017 Named in Thames Valley top 250 companies and started to manufacture Cling2, our own static cling PVC

2018 Extended our own delivery network to 7 vehicles

2019 New website launched and invested in a high speed automatic slitting machine

2020 COVID pandemic

2021 Piloted our 'Collect & Recycle' program

2022 Acquired the UK LX Interior Film business, launched under 'spAce' Architectural Interiors

2023 Achieved carbon neutrality as measured under PAS 2060

2024 All Print Supplies celebrates 40 years servicing the sign and graphics industry: 1984 ~ 2024

Service values

Customers are our life blood and we will do our utmost to make sure you are kept satisfied.

From answering the phones quickly and efficiently, right through to delivery of your material the next day.

Stock outs are rare and we will make sure we will inform you as soon as they arise and try to offer an alternative.



The Product Training / Demonstration Suite at our Head Office in Slough.



Delivery & Pricing Terms

Our standard delivery is by overnight carrier, on a next day service, nearly anywhere in the UK, with no minimum order charge.

- Standard next day carriage is free on all orders over £130.00 (excluding VAT).
 - For orders under £130, we can now offer you two options to suit your workload and schedule:
 - Next working day delivery: £13.50
 - Next working day delivery before noon: £17.00
 - Special deliveries are on a slightly more restricted basis and include next day by 9am or 10.30am, Saturday before 9am and Saturday am.
The surcharges for these delivery services are as follows:
 - Next day before 9.00am: £32.00 (*20kgs max weight)
 - Next day before 10.30am: £25.00 (*20kgs max weight)
 - Saturday before 9.00am: £47.00 (*20kgs max weight)
 - Saturday am: £35.00 (*20kgs max weight)
- *Special Deliveries over 20kg incur additional delivery costs- please confirm at time of order.

Deadline for orders is generally 6.00pm Monday to Thursday, and 5.30pm on Fridays.

Orders for slitting and sprocketing at non-standard sizes will go out next day if placed before 5pm.

Due to pressures of orders and the practicality of meeting our carrier's deadlines this is a guide and cannot be guaranteed.

There is a nominal £8.00 per roll slitting charge, for simple slitting down to narrower widths.

For example, if you require a roll of 1300mm to be slit into 2 narrower rolls of 650mm wide, then the slitting charge would be £8.00. We cannot reslit material on 2" cores.

The sign products are all now offered on a 'no surcharge for standard rolls' basis.

A standard roll is generally 10M, 25M or 50M (45M for some speciality items and 1M for some expensive items).

All prices are exclusive of VAT, unless stated otherwise and may be subject to change without notice.

Please read our terms and conditions.

Due to the complexity of use the purchaser should carefully consider the suitability and performance of the product for each intended use, and the purchaser should assume all risks regarding such use.

All specifications are subject to change without prior notice.

Our Sales Offices are manned

Monday to Thursday 8.30am and 6.00pm

Friday 8.30am to 5.30pm

Collections 9.00am to 5.00pm

You can place orders in various ways

Ring the Sales Office:

Southern Office: Tel: 01753 696977 Fax: 01753 567733

Northern Office: Tel: 01709 829800

Email the Sales Office: sales@allprint.co.uk

We have also recently introduced on-line ordering, please contact the Sales Office for more information.

The Sales Office team consists of industry hardened staff who have practical hands on experience coupled with excellent customer service skills.

The Field Sales team have decades of industry experience behind them to help guide you and ensure you receive the correct products in the correct time frames.

We can accept payment in many forms

BACS payments or Bank Transfer.

Direct Debit.

Credit or Debit Card: We accept most credit cards and there is no surcharge for using them.

Credit Accounts: These are available upon satisfactory credit references. An application for a credit account can be found on the last page of this product portfolio, as well as on our website.

All Print Supplies Product Testing

Being able to offer good technical support and advice on how to use our large range of media has always been an important part of our complete service.

Our dedicated print room team use the latest digital printers with Solvent, Latex and UV ink as well as vinyl cutters, laminators and software to help customers to get the best out of our range of media. Using our Eye One iSis and leading RIP technology from Onyx, Shiraz, Wasatch, Rasterlink, Colorgate and Versaworks we can provide custom made tailored profiles for a broad range of digital printers, advice on the best settings, and support on how to handle and process our impressive range of media. Our dedicated colour profiler can also work on site to provide bespoke colour profiles.

Using our Pantone® colour booth we can now give customers a quick, simple and straightforward answer on colour match requests under a range of lighting conditions.

This includes daylight, typical retail lighting and typical office environment. We are also using a Hunterlab Miniscan EZ to provide accurate colour values in whatever format is needed, including L*a*b* and also LCH and provide accurate details of colour differences.

In order to give you the customer more information more quickly we have invested in a complete new in-house laboratory.

This includes analytical equipment such as Fourier Transform Infrared Spectroscopy (FTIR) which is a technique used to obtain an infrared spectrum of absorption or emission of a solid, so if something in the product has changed we can identify and take remedial action very quickly.

We also have adhesive testing equipment for peel adhesion, shear strength (static, dynamic and elevated temperatures), gloss meters, temperature controlled ovens and a humidity/temp controlled sample store.

We can accurately measure key physical properties; these include gloss level, thickness, shrinkage, whiteness, peel adhesion and also tensile strengths.

This is helping us to build an independent picture of the quality of the range of products we supply.

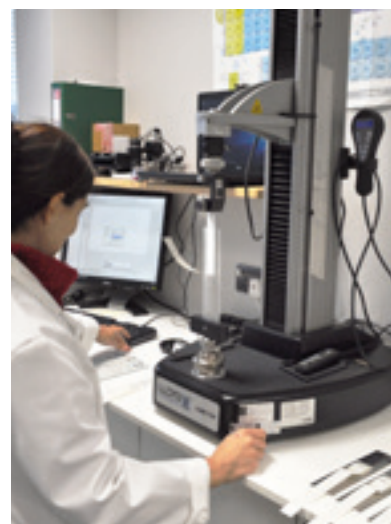
These tests are carried out using standard FINAT, DIN or ISO test methods.

We can measure the adhesion of our self-adhesive products to a range of substrates typically used by our customers, including glass, aluminium and MDF panels, and also some of the more difficult to stick to substrates such as polypropylene (PP), polyester (PET) and polythene (HDPE).

We can also measure the tensile strength and elasticity of our self-adhesive products. This is a good measure of how stretchable and conformable a product is to use and helps us to offer guidance on the best self-adhesive product to use for specific applications, be it simple flat panels, to curved and deeply recessed panels.



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Environmental Concerns

As of July 2023 our business is now carbon neutral with the aim of achieving 'net zero' within the next 2 years.

When we moved into our new building in 2014 we invested in a large solar array consisting of 509 panels on the roof. In 2022 this produced 30% more electricity than we consumed, the surplus being exported back to the National Grid.

PAS 2060 and the 'Race To Zero'

'Race To Zero' is a global campaign to rally leadership and support from businesses, cities, regions and investors for a healthy, resilient, zero carbon recovery that prevents future threats, creates decent jobs and unlocks inclusive, sustainable growth.

Over 80% of Britain's largest businesses have now signed up to the UN's Race to Zero campaign, designed to accelerate the adoption of credible net-zero targets at, during, and beyond COP26.

'PAS 2060' is the internationally recognised specification for carbon neutrality published by BSI (British Standards Institution). It sets out the requirements for quantifying, reducing and offsetting greenhouse gas (GHG) emissions for organisations and products.

Our Qualifying Explanatory Statement in Support of PAS 2060:2014

Self-Validation for the period 1st January 2022 to 31st December 2022 can be found on our website (QR code link on the right).

It consists of 3 scopes:

Scope 1 includes a calculation of GHG emissions for internal items including Fuels, Bioenergy, Refrigerants, Passenger vehicles and Delivery vehicles.

Scope 2 includes a calculation of GHG emissions for external items such as electricity, steam and gas.

Scope 3 includes a calculation of GHG emissions for transmission and distribution UK electricity, heat & steam, UK electricity T&D for EV's, water supply, water treatment, material use, waste disposal, business travel by air, sea and land, freighting goods, hotel stays and homeworking. The only parts of Scope 3 we did not calculate were 'Processing of Sold Products' and 'End use of Sold Products' as we have no control over how and where our products are used.

For the period 2022 our total emissions were as follows in (tCO₂e):

Scope 1 Direct emissions 105.5 tonnes.

Scope 2 Indirect emissions 189.4 tonnes.

Scope 3 Other indirect emissions 253.8 tonnes.

Total emissions for 2022 was 548.6 tonnes.

We then offset this 548.6 tCO₂e by purchasing 549 carbon credits in Verra- Verified Carbon Standard (VCS), the Gold Standard- Voluntary Emission Reductions (VER) and the United Nations- Certified Emission Reductions (CER) programmes. These were then retired in July 2023.

We also started our own 'Collect & Recycle' scheme, more details are available on page 9.


Most of the products we ship every day are a 3 layer self-adhesive construction; face film, adhesive layer and release liner.

Face films

These can be PVC, Polyester, Polyolefin (Polypropylene or Polyethylene).

- Plasticised PVC (Polyvinyl chloride) films are by far the most popular in the Sign and Digital industry, probably accounting for over 90% of demand.

It can be cut, pigmented, printed by nearly all technologies without expensive and energy consuming top coats, and most importantly is very durable outdoors, offering a service life several times longer than the alternatives. PVC also consumes less energy during production than other plastics. The raw materials for PVC are salt and oil, with salt making up the majority of the film, and there is no shortage of salt in the Ocean.





PVC is recyclable with number  as its resin identification code. Plasticisers, which incorporate Phthalates, are added to the PVC to make the film more flexible and practical to work with. Other additives include heat stabilisers, UV stabilisers, lubricants and generally pigments. As the Chlorine atom is a major part of the PVC monomer, PVC produces HCl upon combustion and can release Dioxins, which is a concern.

To investigate this further we visited modern electricity-generating plants using high temperature Energy from Waste incineration and they insist no Dioxins are created in the stack or the residual ash.

PVC is the third most popular plastic in the world, behind Polyethylene and Polypropylene.



Environmental Concerns

- Polyester (PET) films only account for a small part of the market due to the high cost, the rigidity of the product and the need for a top coat for printing. Polyester has the number . Commonly used in packaging for plastic bottles and food trays.
- Polyolefin (Polypropylene or Polyethylene) films are beginning to make a small impact. Polypropylene (PP) and Polyethylene (PE) have the same basic ingredients and the raw material is oil. Polypropylene is recyclable . PP is the second-most widely produced plastic and is used in packaging for dairy trays, microwave containers, etc. The new UK bank notes are now manufactured from PP. It is generally more rigid than PVC and cannot be printed without a top coat being applied, which adds to the cost and has a negative environmental impact as the coating requires energy to be dried in the ovens. PP also has a shorter life outdoors. Although Polyethylene is the most popular plastic in the world, PE films have made no impact in our industry. Like PP, PE cannot be printed without a top-coat being applied which adds to the cost and environmental impact. It also has a shorter life outdoors than PVC. Used in packaging for bags, milk bottles, films and labels. Polyethylene comes in a variety of densities, is recyclable and has the number  or  dependent whether high (HDPE) or low density (LDPE).

Adhesives

These are nearly all acrylic based in our industry. In either solvent dispersions, water dispersions or UV cured format.

- Solvent based adhesives. These acrylic adhesives are dispersed in a chemical solvent to make them less viscous and then coated in a 'thick' layer. They then pass through long heated ovens to evaporate off the solvent carrier. These ovens can be over 50M in length and require a lot of energy to heat. Solvent based adhesives offer excellent long-term performance but chemical solvents are expensive, and in Europe the solvents driven off in the drying cycle have to be re-captured, which adds to the cost.
- Water or emulsion based adhesives. These acrylic adhesives are dispersed in water to make them less viscous and then coated in a 'thick' layer. These acrylic adhesives are less durable, have lower performance, are cheaper, and are generally more suitable for internal applications. They still require a lot of energy to drive off the water in the ovens.
- UV cured adhesives. Our focus has turned in recent years to UV cured polyacrylates. These have the same acrylic backbone as solvent adhesives, so have virtually the same performance as solvent based adhesives, but can be coated as 'solids', without the need for dilution, and are cured by UV, rather than traditional ovens. They require less energy to manufacture and are less hazardous in the manufacturing process.

Release liners

These can be kraft, Polyethylene coated, or occasionally Polyester.

Release liners are one of the biggest waste factors in our industry, as they are almost part of the packaging in that they do not figure in the in-situ graphics.

All the papers we source are FSC certified which allows you to identify, purchase and use paper made from well managed forests and/or recycled sources.

We have now found a recycling partner that can recycle the liner into new paper products.

We will supply sacks for the liner to be collected from customers in most of the South and Midlands.

All the customer has to do is to separate the films from the liner in order not to contaminate the waste stream and our relationship with our recycling partner.

We can also collect white paper liners that you may use from other manufacturers.

Cardboard boxes will be collected if folded flat and we can recycle most cardboard cores and plastic end plugs.

Full details can be found in our 'Collect & Recycle' information on page 9.

- The most popular liners are clay-coated krafts. We are currently working on how we can reduce the weight of these papers but retain the performance our customers and some of the printer technologies demand. The 'lighter' the paper, the less trees need to be used in the papermaking and the less mass there is to be disposed of. It is a difficult balancing act between price, performance and environmental impact.
- The other main liners we use are Polyethylene coated, also known as PE or resin coated. These liners are more stable under heating in printers and are less prone to cockling in changing humidity conditions, but are more expensive and have an extra layer of Polyethylene added to the back of the paper to improve performance.

Environmental Concerns

How can we minimise our environmental impact?

Reduction The obvious way is to reduce the mass of the products we produce. This has been underway for years now as a natural way to reduce costs and minimise price increases. PVC films have come down in thickness from a 100µ average a few decades ago to a current average of around 75µ, without losing any performance. Further reductions down to 50µ to 60µ are possible but opacity, handling, and the ability to accept high ink loads begins to be compromised. When we get close to 50µ the film costs actually increase. The adhesive thickness has also been reduced by around 10% in the same period; any further reductions may compromise the adhesive itself. In addition, release liners have reduced from the traditional 140gsm thickness to the 125gsm to 135gsm range. We currently believe 120gsm is probably the minimum market acceptable weight for graphics. Below 120gsm stability in printing and handling starts to become a major issue.

In terms of our packaging, we are also phasing out some of the polybags used to protect the boxed rolls and are attempting to swap the two plastic core plugs per box with either recycled plastic plugs or cardboard alternatives.

Recycling Although the films themselves are all theoretically recyclable, in practice it is not possible. The film and adhesive combination is almost impossible to separate in the UK, and that is without the added complication of printing inks and laminates. Landfill is both costly and unwanted, which leaves us with incineration to produce electricity in 'Energy from Waste' plants. EU guidance emphasises that "generating energy from waste that cannot be recycled or reused can contribute to a circular economy and energy diversification, thereby reducing greenhouse gas emissions from the waste sector". These plants have been around in the UK for many years now and originally were just incineration plants. In the last few years some have been adapted to use the heat from burning waste to create superheated steam and drive turbines to generate low-carbon electricity. The incineration processes have been improved with higher combustion temperatures, and increased burn time to ensure complete oxidation. All the chlorine, the source of Dioxins, is converted to HCl or inorganic chlorides, the HCl is neutralised in the scrubber while CO₂ is vented to the atmosphere and the inorganic chlorides are incorporated into the ash. We have visited an Energy from Waste plant, operated as a joint venture by Grundon Waste Management and Viridor. The Lakeside EfW facility at Colnbrook near Slough has been operational since 2010.

This plant processes over 450,000 tonnes of waste per year, generating 37MW of power, which is enough to provide electricity to 56,000 homes. They send nothing to landfill. Emission Limit Values are strictly regulated through the Integrated Pollution Prevention and Control regime and are currently monitored by the Environment Agency. All emissions from the stack comply with the most stringent UK and European pollution control standards. The Air Pollution Control residues from the filters, the fly ash and the Incinerator Bottom Ash are all recovered. These reactive residues are then treated by using Accelerated Carbon Technology to make a recycled aggregate, which is then used as a substitute for naturally extracted aggregate in road building.

There are currently over 50 EfW plants in the UK, still way below the number in countries such as France, Germany, Sweden etc.

As we see it, the advantages of EfW are:

- 100% diversion from landfill
- Reduce disposal costs, by sending waste to Energy from Waste facilities means no Landfill Tax
- Generate renewable electricity as your non-recyclable waste generates power for the National Grid, currently we believe around 2.5% of all UK electricity is produced by EfW
- These schemes have been taking our waste for years and seem happy with the mix our industry feeds them with

REACH regulations

REACH is a regulation of the EU, to protect health and the environment from the risks posed by chemicals.

It had an impact on PVC films a few years back as certain chemicals used in pigments were banned in the EU, including pigments based on lead chromate.

These changes made some products less opaque and some products had to change shade.

Some phthalates used for plasticisers were also banned such as DEHP.

All our EU suppliers were fully on board with these changes and continue to monitor and adhere to all the new regulations.



Our 'Collect & Recycle' Scheme

Aim of the project To eventually collect all waste self-adhesive products and get them recycled into new materials. Scope will include customers who get van deliveries and we are calling on them to deliver regular orders. A pilot scheme has started with a few selected customers before being rolled out to the South and Midlands. We aim to make this process easy and cost neutral for us and our customers.

Liner Both kraft and PE coated siliconised liners can now be collected from customers and recycled overseas into new paper products. There are no domestic paper recyclers currently interested in siliconised papers. The release liners can be plain or backprinted. The customer will need to strip the papers of all films, then bag for us to collect when delivering new product. Contamination of the siliconised release liners with adhesive coated PVC, PP, PET etc. will jeopardise our relationships with the recycling companies. We will not only collect our liners but other manufacturers kraft and PE backing papers, all with film removed.

Packaging materials All cardboard boxes and most cores can now be collected and recycled in the UK into new packaging. Cardboard must be kept dry as wet cardboard is problematic to recycle with our partners. Over half of the cardboard collected is used to make new cardboard boxes, and additional cardboard can be downcycled into paperboard or chipboard. Recycling paper mills can recycle a single cardboard fibre roughly seven times. Making 1 tonne of virgin cardboard requires 3 tonnes of trees. Recycling 1 tonne of cardboard eliminates 9 cubic yards of landfill space. Where possible we will reuse boxes rather than recycling them.

Plastic core/end plugs These are the core plugs that fit inside the box, and slot into the core to keep the material suspended in transit. These are made from a variety of plastics in different shapes and sizes. We can collect these and recycle them into new plugs.

Adhesive coated PVC films no longer on a liner The practical recycling of these are still being explored. We need to be assured that this can be done safely and economically without excessive use of solvents and energy before offering a recycling service for the adhesive films.

What do customers have to do? All they need to do is remove all films from the release liner and store the release paper in the bulk bags we will provide. The cardboard boxes need to be flattened and stored in a dry condition. The cores need to be stored in a dry condition.

Collection When we deliver new goods, our vans will then collect the full bulk bags filled with siliconised release liner. The drivers will replace the full bag taken with an empty bag. The flattened boxes, cores and end plugs will be handled manually to the van.

What do we do with the waste products?

We will sort the paper from the boxes, cores and end plugs in our Slough facility. The paper and cardboard will be baled separately here into 1 tonne bales and sent to the various recycling plants in full 10 tonne loads.

The cardboard will be baled and sent for recycling as locally as possible. The plastic core plugs will be sorted and sent for recycling as locally as possible.

What we don't want to do?

We don't want to make collections unless we are delivering fresh product.

We are not a waste company so the waste we collect needs to be pre-sorted and kept in good condition.

We cannot collect and recycle thick walled cores as used on superwide fabrics and banner materials.

The maximum length of core we can recycle is 1600mm.

We are not set up to take any other waste, apart from products similar to those we supply. No domestic waste, plastic sheet offcuts, office paper.

Become a waste disposal company for the whole industry.

While we are happy to take back other manufacturers' similar waste, it has to be lesser in volume than the amount we supply and in proportion to new product we are delivering.



Sign Media - Introduction

Our range of coloured vinyls is the most extensive you will find in the UK and features some of the industry's top brands.

All of the products are available off-the-shelf.

We consider 50M, 25M and 10M lengths as standard although you can buy as little as 1M if required ...and all on a next-day delivery nationwide if you order a standard construction before 6pm, except for Fridays which is 5.30pm.

We can also slit the width of the roll down if needed, sheet to size and sprocket.

Vinyl Colour Matching

To help solve some of the problems associated with matching vinyl colours try our 'APS Colour Picker' tool on our website, this will let you know instantly whether we have a match to a particular Pantone® and how close we believe the match is.

We have selected the closest colour match regardless of manufacturer to the Pantone® printing ink colour, and in the event of a tie in vinyl colour matches we have selected the most durable vinyl.

If there is no match then bear in mind we also offer bespoke Pantone® colour matched vinyls for as little as 1 x 50M roll.



Buy The Metre:
Non-standard roll lengths are surcharged at 33%

Sign Media - Introduction

Conformability

- 1.5D The monomeric vinyls have little stretch and are generally for flat-sided applications but can be used on gentle curved surfaces.
For concave and recessed areas the thicker speciality films should be cut.
- 2D Generally a conformable polymeric.
For convex areas use heat, for concave and recessed areas the film should be cut.
- 2.5D Conformable thin cast PVC generally 50µ-60µ.
The thinner films may whiten if stretched too far. The thicker cast films are still conformable but the texture, heavy flake pattern or gloss level may distort when stretched and heated.
For convex, concave and recessed areas use heat and post-heat.
- 3D Very conformable cast generally 50µ single or 80µ dual layer cast.
For convex, concave and recessed areas use heat and post-heat.

Adhesive types

- 'solvent permanent' adhesives are forgiving at low application temperatures and do not whiten when applied wet and cold.
Excellent temperature resistance in service and very durable externally.
- 'permanent clear UV polyacrylate' adhesives offer similar performance to 'solvent permanent' but without the use of any solvents in the coating process.
Very forgiving at low application temperatures, good performance on LSE surfaces and they do not whiten when applied wet and cold.
Excellent temperature resistance in service and very durable externally.
- 'acrylic permanent' adhesive is a lower cost version of the 'solvent permanent'.
The adhesive can milk when applied wet and cold and the application temperature range is narrower.
- 'solvent removable' adhesive is a solvent based acrylic adhesive that is more forgiving at low application temperatures and that allows removal of the vinyl from common surfaces without leaving adhesive residue, typically for up to 2 years after application.
- 'removable clear UV polyacrylate' adhesives offer similar performance to 'solvent removable' but without the use of any solvents in the coating process.
Very forgiving at low application temperatures and that allows removal of the vinyl from common surfaces without leaving adhesive residue, typically for up to 2 years after application.
- 'acrylic removable' adhesive is a lower cost version of the 'solvent removable' that allows the removal of the vinyl from common surfaces without leaving adhesive residue, typically for up to 1 year after application.

Outdoor life

- Vertical exposure in the UK.
- For horizontal exposure (on roofs and bonnets) typically halve the vertical life.

Technical Advice and Support

For technical advice or support on how to get the best out of our media, call our sales office on:

01753 696977 for the Southern Office, or 01709 829800 for the Northern Office, or email sales@allprint.co.uk



Flat Surfaces Mid Term - Introduction

The vinyl ranges featured in this section are for shorter term use on flat or curved surfaces.

They are 1.5D monomeric PVC films and feature either long external life durable solvent acrylic and UV polyacrylate adhesives or acrylics in both permanent and removable grades.

Typical areas of use include:

- Vehicle graphics, medium term flat-sided
- Exhibition and promotional graphics
- Directional and retail signage
- Window graphics
- Indoor and outdoor advertising



Flat Surfaces Mid Term



500 Event Film Opaque Series

Great value 70μ film with lots of colours and a treat to weed.

The 500 Series is available in a range of gloss colours with an acrylic permanent adhesive and also in matt versions of the colours with an acrylic semi-permanent adhesive that can be removed from most substrates up to 1 year after application.

- 1.5D monomeric
- 47 gloss colours and 47 matt colours
- External life of 5 years for black and white, 4 years for all the colours and 2 years for the metallics
- Acrylic permanent adhesive on the gloss colours
- Acrylic semi-permanent adhesive on the matt colours
- 125gsm backprinted kraft liner
- Blue contrast liner on whites
- Fire rated EN13501-1
- Widths of 615mm and 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: 5XX EG or EM



8200 Pro Opaque Series

MACal 8200 Pro Series is the most economical Mactac calendered sign vinyl.

It features a 75μ film with an acrylic adhesive and is suitable for internal and external applications.

- 1.5D monomeric
- 42 gloss colours and 42 matt colours
- External life of 4 years for black and white, 3 years for all the colours and 3 years for the metallics
- Acrylic permanent adhesive
- 130gsm backprinted kraft liner
- Blue contrast liner on whites
- Fire rated EN13501-1
- Widths of 615mm and 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: 82XX-XX



Nu-Sign 'M' Series

Nu-Sign 'M' Series 5 year monomeric for flat-sides.

Matching shades in gloss and matt monomeric with a medium to high grab clear PermPLUS adhesive on a kraft liner.

The key feature is the extra-permanent adhesive that builds adhesion quicker than the competition both wet and dry, even at temperatures down towards 0°C.

Easy to weed, even for small letters, and letters can be transferred quickly with a standard application tape.

No adhesive milking when wet applied and with excellent adhesion to MDF and painted walls.

The film and adhesive combination guarantees low shrinkage.

The Matt range is also slip rated R9 under DIN 51130.

- 1.5D monomeric
- 2 gloss colours and 2 matt colours
- External life of 5 years for black and white
- Extra permanent clear UV polyacrylate adhesive
- 140gsm backprinted kraft liner
- Blue contrast liner on whites
- Self-extinguishing
- Widths of 615mm and 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: MXXX
- DIN 51130 rated R9
- Made in the UK

Flat Surfaces Mid Term

8300 Pro Opaque Series

MACal 8300 Pro Series is a high performance intermediate range featuring a 70µ film and a solvent acrylic permanent adhesive that is suitable for internal and longer term external applications.

It is the best gloss monomeric in our range with the least shrinkage of any of the permanent monomeric films we have tested. The shrinkage is also less than some of our competitors' polymeric.

In the UK the external life is 6 years for black and white, 5 years for all the colours and 4 years for the metallics.

It has been used trouble free on vehicles with simple curved surfaces for over 20 years now.

- 1.5D monomeric
 - 41 gloss colours and 2 matt colours
 - External Life of 6 years for black and white, 5 years for all the colours and 4 years for the metallics in the UK
 - Solvent permanent acrylic adhesive
 - 130gsm backprinted kraft liner
 - Blue contrast liner on whites
 - Fire rated EN13501-1
 - Widths of 615mm, 1230mm and 1524mm for black and white
 - Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
 - APS 'Galaxy' product codes- APS: 83XX-XX
-

Flat Surfaces Mid Term

mactac 8900 Pro Opaque Series

MACal 8900 Pro Series is stocked in both matt and gloss.

70µ film and a solvent acrylic semi-permanent adhesive that can be removed without adhesive residue from most surfaces up to 2 years after application and is suitable for internal and external applications onto flat or slightly curved surfaces.

All the products are fire rated, in addition the black and white shades are also Class 0 fire rated.

- 1.5D monomeric
 - 28 gloss colours and 49 matt colours
 - External life of 4 years for black and white, 3 years for all the colours and metallics
 - Solvent semi-permanent acrylic adhesive
 - 130gsm backprinted kraft liner
 - Blue contrast liner on whites
 - Fire rated EN13501-1 with Class 0 for black and white only
 - Widths of 615mm, 1230mm and 1524mm for black and white
 - Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
 - APS 'Galaxy' product codes- APS: 89XX-XX
-



Curved Surfaces Long Term - Introduction

The vinyl ranges featured in this section are for longer term use on flat or curved surfaces.

They are either 2D polymeric or 2.5D cast PVC films and all feature long external life durable solvent acrylic adhesives.

Typical areas of use include:

- Vehicle graphics, long term flat or curved
- Marine and recreational vehicle graphics
- Directional and retail signage
- Window graphics
- Outdoor advertising
- Equipment identification

Curved Surfaces
Long Term



Curved Surfaces Long Term



P800 AF Platinum Opaque Series with Airflow

The Platinum range consists of a 65µ polymeric PVC film with Airflow adhesive technology.

The microstructured liner and low initial adhesion make the Platinum Airflow colours quick and easy to apply, allowing trapped air bubbles to be removed with ease.

- 2D polymeric
- 23 gloss colours and 2 matt colours
- External life of 10 years for black and white, 8 years for all the colours and 5 years for the metallics
- Airflow solvent permanent repositionable adhesive
- 140gsm micro-embossed PE liner
- Fire rated EN13501-1
- Widths of 610mm and 1220mm
- Available in standard roll lengths of 23M, 46M and 'buy the metre'



9300 PRO iA Tech™ Opaque Series

70µ polymeric from Mactac with their new iA Tech™ solvent free external adhesive.

Metallics* still have the old durable solvent based permanent acrylic external adhesive.

- 2D polymeric
- 56 gloss colours and 4 matt colours
- External Life of 8 years for black and white, 7 years for all the colours and 5 years for the metallics
- Solvent free iA Tech permanent adhesive*
- 135gsm backprinted kraft liner
- Blue contrast liner on whites
- Widths of 615mm and 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: 93XX-XX



700 Performance Film Opaque Series

Many years of history, Avery Dennison's 700 PF is a quality 64µ polymeric with excellent gloss levels, a durable external adhesive, easy to cut and weed and has a huge colour range.

- 2D polymeric
- 98 gloss colours and 2 matt colours
- External Life of 8 years for black and white, 7 years for all the colours and 5 years for the metallics
- Solvent permanent acrylic adhesive
- 135gsm backprinted kraft liner
- Blue contrast liner on whites
- Fire rated EN13501-1
- Widths of 380mm (white/clear), 615mm and 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: 7XX PF

9800 Pro Opaque Series

We have close to 30 years of experience selling this product in the UK and it is a fantastic choice with a durable solvent based external adhesive, 66µ film with the highest gloss levels and the lowest shrinkage of any polymeric we have sold or tested. Due to the years of history and improvements in PVC film technology the outdoor life has recently been increased to 10 years for black and white, 8 years for the colours and 5 years for the metallics.

- 2D polymeric
 - 99 gloss colours and 2 matt colours
 - External life of 10 years for black and white, 8 years for all the colours and 5 years for the metallics
 - Solvent permanent acrylic adhesive
 - 135gsm backprinted kraft liner
 - Blue contrast liner on whites
 - Widths of 615mm and 1230mm, plus 1524mm for black and white
 - Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
 - APS 'Galaxy' product codes- APS: 98XX-XX
-

9800 HT Pro Opaque Series

A new version of Mactac's 9800 Pro but with a high tack adhesive for difficult surfaces. This Mactac film is designed for high-performance permanent applications with up to 10 years of outdoor life. A highly flexible facestock gives excellent conformability on flat to slightly curved surfaces. 9800 HT Pro features a high tack permanent solvent based acrylic adhesive for low surface energy surfaces and is available in both matt and gloss in white and black.

- 2D polymeric
 - 2 gloss colours and 2 matt colours
 - External life of 10 years for black and white
 - High tack solvent permanent acrylic adhesive
 - 135gsm backprinted kraft liner
 - Blue contrast liner on whites
 - Widths of 615mm and 1230mm
 - Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
-

Curved Surfaces Long Term



777 Opaque Cast Series

A 60µ cast film designed to hit polymeric film pricing, durable solvent based external adhesive and a conformable film and is an everyday answer for all kinds of quality signage including applications over rivets and corrugations.

- 2.5D cast
- 98 gloss colours and 2 matt colours
- External life of 8 years for black and white, 7 years for all the colours and 5 years for the metallics
- Solvent permanent acrylic adhesive
- 135gsm backprinted kraft liner
- Blue contrast liner on whites
- Fire rated EN13501-1
- Widths of 615mm and 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: 777-XXX CF



800 Opaque Premium Cast Series

A terrific mid-priced 50µ cast PVC with a durable solvent based external adhesive and a more conformable face film than the 777 series.

Custom colour matches can be ordered through Avery Dennison's extended colour matching services.

The minimum order quantity is only five 1230mm x 50M rolls with a production lead time of only 2 weeks.

- 2.5D cast
- 80 gloss colours and 5 matt colours
- External life of 10 years for black and white, 8 years for all the colours and 5 years for the metallics
- Solvent permanent acrylic adhesive
- 135gsm backprinted kraft liner
- Blue contrast liner on whites
- Fire rated EN13501-1
- Widths of 615mm and 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: 8XX-XX PC



900 Opaque Super Cast Series

The stand-out marking film.

900 SC has a huge life cycle and will handle nearly anything thrown at it.

This 50µ film is more conformable yet again than either the 777 or 800 ranges and with a durable solvent based external adhesive.

900 SC tends to be the range of choice for the larger blue-chip companies.

900 Super Cast has a wide choice of colours available, both standard and Pantone® approved.

Any other colour can be ordered through Avery Dennison's extended colour matching services.

The minimum order quantity is only one 1230mm x 50M roll with a production lead time of only 2 weeks.

- 3D cast
- 78 gloss colours and 2 matt colours
- External life of 12 years for black and white, 10 years for all the colours and 6 years for the metallics
- Solvent permanent acrylic adhesive
- 135gsm backprinted kraft liner
- Blue contrast liner on whites
- Fire rated EN13501-1
- Widths of 615mm and 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: 9XX-XX SC



K70900 Opaque Metallic Series

An excellent and interesting range of metallics manufactured in the UK.

50µ cast metallic film with a durable solvent based external adhesive and a 10-12 year outdoor life for metallic which exceeds any of our other manufacturers.

- 2.5D cast
- 4 gloss metallic colours
- External life of 10-12 years
- Solvent permanent acrylic adhesive
- 150gsm backprinted PE coated liner
- Widths of 610mm and 1220mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: K709XX
- Made in the UK



K75100 Opaque Glitter Series

The KPMF K75100 range are eye-catching heavily metal flaked colours for all kinds of graphics that have to stand out from the crowd.

Made in the UK, the K75100 range features a range of colours with a glitter pattern in the 70µ cast PVC face film.

The product is still conformable and 'shrink-free'. The glitter effect is on the face film side only, not the adhesive side, so the glitter effect is only viewable from the front side.

- 2D cast
- 8 gloss glitter colours
- External life of 4-5 years
- Solvent permanent acrylic adhesive
- 150gsm backprinted PE coated liner
- Widths of 610mm and 1220mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: 751XX
- Made in the UK



K74500 Ultra Destruct Series

White, gloss or matt, cast ultra destruct PVC's for anti-vandal or security applications.

Brittle 50µ cast film, with a high tack adhesive, that will break up when removed.

Once the film has been applied it will become tamper proof in around 20 minutes.

Manufactured in the UK, the product is used extensively for security seals of utility meters, identification of automotive and other high value parts, automotive safety information labels, tagging of electronic components and general packaging seals for sensitive products.

Although not warranted for printing, customers have printed successfully on Solvent, Latex and UV printers.

- 1D cast
- 1 gloss colour and 1 matt colour
- External life of 4-5 years
- High tack solvent permanent acrylic adhesive
- 150gsm backprinted PE coated liner
- Width of 1220mm
- Available in standard roll lengths of 10M, 25M and 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: product codes: APS 745XX
- Made in the UK



Wrapping Long Term - Introduction

The vinyl ranges featured in this section are for longer term use on flat or curved surfaces.

They range from 2D polymeric up to 3D cast PVC films and all feature long external life durable solvent acrylic adhesives.

Typical areas of use include:

- Vehicle graphics, long term flat or curved
- Marine and recreational vehicle graphics
- Directional and retail signage
- Outdoor advertising

Wrapping
Long Term



Wrapping Long Term



Supreme Wrap Series

A dual layer cast film for solid colour wrapping of vehicles.

Supreme Wrapping Film has outstanding durability and performance with excellent conformability around curves and recesses.

The adhesive is the patented Avery Dennison™ Easy Apply RS technology that allows for faster positioning, bubble-free application, and long term removability.

The range consists of over 100 colours in gloss, satin, matt, pearlescent as well as Carbons, Brushed, Chrome, ColorFlow switchable and Diamond sparkle.

- 'EA RS' easy-apply, repositionable and slideable adhesive
- Fire rated EN13501-1
- Available in any roll length between 1M- 25M

Solid Colours

Generally an 80μ dual layer cast film for solid colour wrapping of vehicles.

The Supreme Wrapping Film has outstanding durability and performance, excellent conformability around curves and recesses, and a high gloss 'paint-like' finish that also acts as a protective layer.

Easy Apply RS technology that allows for faster positioning, bubble-free application, and long term removability.

- 3D cast
- External life of 12 years for black and white, 10 years for all the colours and 5 years for the metallics
- Width of 1520mm

Pearlescent Colour Series

107μ pearlescent cast film for solid colour wrapping of vehicles.

- 3D cast
- External life of 5 years for all the colours
- Width of 1520mm

Extreme Textures Series

87μ to 107μ brushed and carbon effect cast film for solid colour wrapping of vehicles.

- 2.5D cast
- External life of 4 years for all the colours
- Width of 1520mm

ColorFlow Series

A range of colour switchable cast films in satin finishes.

The colour of these products changes dependent on the viewing angle and lighting conditions.

- 3D cast
- External life of 4 years for all the colours
- Width of 1520mm

Diamond Line Series

Eye-catching range of 140μ films with a heavy metal flake that adds real sparkle to your wraps.

- 2.5D cast
- External life of 3 years
- Width of 1520mm

Conform Chrome Series

The mirror-like finish of glossy Conform Chrome film creates a distinctive and premium result that is perfect for striking accents and special effects.

Now in 8 colours including Rose Gold and Matt Silver and in a wider width of 1350mm.

- 2D cast
- External life of 3 years
- Width of 1350mm
- Available in standard roll lengths of 22.8M and 'buy the metre'

Wrapping Long Term

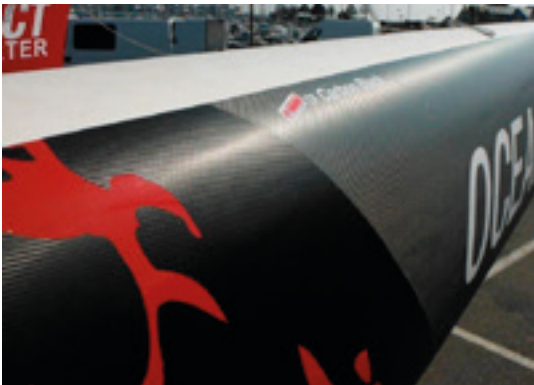
mactac Carbon BF Series

Satin black 175µ embossed carbon fibre film from Mactac with a very soft polymeric film that can be used for simple 1.5D vehicle wraps and comes as standard with an easy-to-apply bubble-free adhesive.

Can be more sensitive to scratches and adhesive transfer problems than other Mactac films.

The external life on horizontal surfaces such as car roofs and bonnets is around 50% of a normal vertical application, i.e. 2 years.

- 1.5D polymeric
 - 1 embossed colour
 - External life of 4-5 years
 - Bubble-free solvent permanent repositionable adhesive
 - 145gsm backprinted PE coated liner
 - Width of 1524mm
 - Available in any roll length between 1M- 25M
-



Wrapping Long Term

mactac ColourWrap Film

New from Mactac, ColourWrap Series are 3D conformable coloured cast wrapping films with gloss, gloss metallic, matt and matt metallic finishes coated with a micro-structured 'bubble free' repositionable acrylic adhesive. 50 different coloured cast wrapping films developed especially for full vehicle wrapping. Full car wraps demand the best possible flexibility and ease of use.

- 3D cast
 - 34 gloss colours and 16 matt colours
 - External life of 8 years for black and white, 6 years for all the colours and 4 years for the metallics
 - 'Bubble-free' solvent permanent repositionable adhesive
 - 145gsm backprinted PE coated liner
 - Width of 1520mm
 - Available in any roll length between 1M- 25M
-



Nu-Sign 'W' Series Decorative Window Films

Decorative glass etch films in both monomeric and polymeric.

Featuring non-milking, when wet applied, WindowPLUS adhesives. This adhesive builds bonds fast, even in wet and cold conditions, allowing you to remove the application tape quickly and save time and money in the application phase. The UV polyacrylate adhesive does not whiten when wet applied, even at colder temperatures. The 'water-repellent' PE coated liner makes wet application easier.

Primarily for CAD-CUT graphics, also printable with Solvent, Latex and UV inks.

- SOLVENT, LATEX and UV
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- Made in the UK

M73-W-P Deep Frosted Effect

Fire rated, 100μ monomeric film that with a deep frost texture features a non-milking, when wet applied, WindowPLUS permanent adhesive. M73-W-P blocks over 65% of harmful UVA light.

Good stability and light transmission, good privacy and UV block.

- 1D monomeric
- 1 deep frosted colour
- External life of 3 years
- Permanent clear UV polyacrylate adhesive
- 140gsm PE coated liner
- Fire rated EN13501-1
- Widths of 615mm and 1230mm

M63-W-P Frosted Effect

Fire rated, 75μ monomeric film that features a non-milking, when wet applied, WindowPLUS permanent adhesive. M63-W-P blocks over 65% of harmful UVA light.

Very good stability and light transmission, good privacy and UV block.

- 1D monomeric
- 1 frosted colour
- External life of 4-5 years
- Permanent clear UV polyacrylate adhesive
- 140gsm PE coated liner
- Fire rated EN13501-1
- Widths of 615mm, 1230mm and 1530mm

M63-W-X Frosted Effect

Fire rated, 75μ monomeric film that features a non-milking, when wet applied, airXit clear medium tack WindowPLUS permanent adhesive on a polyethylene coated liner.

The structured liner and adhesive system speeds up application times and helps to eliminate air bubbles.

M63-W-X blocks over 65% of harmful UVA light.

Very good stability and light transmission, good privacy and UV block.

- 1D monomeric
 - 1 frosted colour
 - External life of 4-5 years
 - airXit medium tack permanent adhesive
 - 160gsm micro-embossed PE coated liner
 - Fire rated EN13501-1
 - Widths of 615mm and 1230mm
-

P65-W-P Silver Crystal

75µ polymeric film that features a non-milking, when wet applied, WindowPLUS permanent adhesive.

This adhesive builds bonds fast, even at temperatures close to 0°C the adhesive will get to normal levels within 5 minutes. P65-W-P blocks over 65% of harmful UVa light.

Very good stability and light transmission, good privacy and UV block.

- 2D polymeric
- 1 silver crystal colour
- External life of 5 years
- Permanent clear UV polyacrylate adhesive
- 140gsm PE coated liner
- Widths of 615mm, 1230mm and 1530mm

P65-W-X Silver Crystal

75µ polymeric film that features a non-milking, when wet applied, with an airXit clear medium tack WindowPLUS permanent adhesive on a polyethylene coated liner.

The structured liner and adhesive system speeds up application times and helps to eliminate air bubbles.

P65-W-X blocks over 65% of harmful UVa light.

Very good stability and light transmission, good privacy and UV block.

- 2D polymeric
- 1 silver crystal colour
- External life of 5 years
- airXit medium tack permanent adhesive
- 160gsm micro-embossed PE coated liner
- Widths of 615mm and 1230mm



Glass Décor Polymeric Window Films

A complete range of decorative glass etch films in a wide variety of shades and finishes.

- 2D polymeric
- 9 different finishes and shades
- External life of 5 years
- Solvent permanent acrylic adhesive
- Fire rated EN13501-1
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'

598-03 Frosted

A new lower cost 75µ polymeric frosted finish translucent vinyl from Mactac, designed for indoor and outdoor decoration of windows.

Excellent stability, good light transmission, good privacy and an excellent UV block.

- 135gsm backprinted kraft liner
- Widths of 615mm, 1230mm and 1524mm
- APS 'Galaxy' product codes- APS: 598-03

798-01 Frosted

20 years of trouble-free actual field experience and a permanent adhesive that can be removed more easily than the competition.

Excellent stability, very good light transmission, excellent privacy and very good UV block.

- 135gsm backprinted kraft liner
- Widths of 615mm, 1230mm and 1524mm
- APS 'Galaxy' product codes- APS: 798-01

798-01 BF Frosted

The same 80µ glass etch film as 798-01 but with a bubble-free micro-embossed repositionable clear solvent based acrylic adhesive, allowing the film to be easily applied dry.

Very good stability and light transmission, excellent privacy and a good UV block.

- 145gsm micro-embossed backprinted PE liner
- Widths of 615mm and 1230mm
- APS 'Galaxy' product codes- APS: 798-01 BF

798-02 Dusted

20 years of trouble-free actual field experience and a permanent adhesive that can be removed more easily than the competition.

Excellent stability and light transmission, excellent privacy and good UV block.

- 135gsm backprinted kraft liner
- Widths of 615mm, 1230mm and 1524mm
- APS 'Galaxy' product codes- APS: 798-02

700 Tints

80µ coloured matt glass etch films with a permanent adhesive.

Very good stability, good light transmission, excellent privacy and very good UV block.

- 135gsm backprinted kraft liner
 - 5 unique tints
 - Widths of 615mm and 1230mm
 - APS 'Galaxy' product codes- APS: 7X8-00
-

Windows & Backlit



Decorative Window Films

Two 80µ polymeric etch vinyls, with permanent solvent acrylic based adhesives for wet application that can be cleanly removed from glass at the end of sign life.

For decorative window applications as well as onto doors and mirrors.

- 2D polymeric
- 2 different finishes
- External life of 5 years
- Solvent permanent acrylic adhesive
- 125gsm backprinted kraft liner
- Fire rated EN13501-1
- Widths of 615mm and 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'

Avery Crystal

An 80µ glass etch film with a permanent adhesive.

Excellent stability, very good light transmission, excellent privacy and very good UV block.

- APS 'Galaxy' product codes- APS: Avery Crystal

Avery Dusted

An 80µ glass etch film with a permanent adhesive.

Excellent stability, light transmission and privacy with a good UV block.

- APS 'Galaxy' product codes- APS: Avery Dusted
-



Windows & Backlit



OC100 Opal Crystal

Both eye-catching and economic, it features a heavily flaked calendered PVC film to imitate a sandblasted finish and have real sparkle at various viewing angles making window graphics really come to life.

The solvent acrylic permanent adhesive can be applied wet with no adhesive milking and the release liner is coloured yellow to make weeding easier.

OC100 is best viewed through the adhesive side making it ideal for application to the inside of windows when it will be viewed from the street. It also retains its sparkle under a wide range of lighting and viewing angles.

Very good stability, light transmission and privacy with a good UV block.

- 1.5D monomeric
- External life of 3 years
- Solvent permanent acrylic adhesive
- 80gsm single-side yellow PE coated liner
- Widths of 615mm and 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: OC100





Architectural Window Films

Two fire rated polyester based films to enhance the performance of flat glazing units.

Both feature permanent solvent acrylic based adhesives for wet application and are recommended for internal use only.

- 1D polyester
- 2 different finishes
- Internal use
- Solvent permanent acrylic adhesive
- Clear PET liner
- Fire rated EN13501-1
- Available in standard roll lengths of 10M, 31M and 'buy the metre'
- **Non PVC product**

R Silver 20 Solar Control

R Silver 20 is a fire rated 50µ silver solar film for flat-sided window applications such as office windows, rear windows of vans, etc.

By rejecting excess solar radiation, R Silver films cut heat build-up through the glazing.

The film incorporates a tough scratch resistant coating which aids installation and maintenance whilst increasing the life of the film.

This product blocks over 99% of UV light, is fire rated, and is designed to last 12 years internally when professionally installed.

R Silver 20 can also act as a privacy film under the correct lighting conditions.

We would recommend using a special window film squeegee such as our GT020 Unger snappable to make application easier.

- Widths of 914mm, 1220mm and 1524mm
- APS 'Galaxy' product codes- APS: R Silver 20 (RS50)

SF 8i Bomb Blast

SF 8i Bomb Blast is a fire rated 200µ optically clear polyester film for flat-sided window applications such as office windows.

It is certified to GSA Level C "3B" which is recommended for government and public buildings.

SF 8i offers a high level of protection against impact, blast, crime or natural disaster.

SF 8i supports building codes and insurance policies that demand glazing meeting certain safety standards such as impact-resistant glass in schools, and protection against break-ins or blast protection at retail locations.

The film incorporates a tough scratch resistant coating which aids installation and maintenance whilst increasing the life of the film. This product blocks over 99% of UV light.

We would recommend using a special window film squeegee such as our GT020 Unger snappable to make application easier.

- Width of 1524mm



Windows & Backlit

mactac MACcrystal 8400 Series Monomeric Transparents

A glossy 80µ range of calendered coloured transparent films.

The colours can be layered to create eye-catching window displays.

- 1.5D monomeric
 - 10 gloss transparent colours
 - External life of 3 years for all the colours
 - Solvent permanent acrylic adhesive
 - 140gsm backprinted kraft liner
 - Fire rated EN13501-1
 - Widths of 615mm and 1230mm
 - Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
 - APS 'Galaxy' product codes- APS: 84XX-XX
-



mactac 9700 Series Polymeric Translucents

The outstanding uniformity of light transmission makes this product ideal for both light boxes and window graphics.

80µ matt polymeric translucent film is compatible with all the common illuminated substrates, i.e. acrylic, glass and most flexible faced materials.

- 2D polymeric
- 34 matt colours
- External life of 5-7 years for all the colours
- Solvent permanent acrylic adhesive
- 135gsm backprinted kraft liner
- Fire rated EN13501-1
- Widths of 615mm and 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: 97XX.XX

9722.00 Polymeric Light Stop

This 140µ matt white film has a black adhesive and is 100% opaque so can be used to create special effects on light boxes, e.g. hidden messages only visible when the sign is illuminated.

This will also have the effect of adding punch to the parts of the sign not backed with Light Stop.

- 1D polymeric
- External life of 7 years
- Solvent permanent acrylic adhesive
- 135gsm backprinted kraft liner
- Width of 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: 9722.00

9700 Series Polymeric Light Diffusers

Two different light diffusing films for illuminated work.

9798-30 is more opaque allowing 30% of light to pass through, while 9798-60 allows 60%, or twice as much, light through the film.

- 1D polymeric
 - 2 matt diffusers
 - External life of 5-7 years
 - Solvent permanent acrylic adhesive
 - 135gsm backprinted kraft liner
 - Width of 1230mm
 - Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
 - APS 'Galaxy' product codes- APS: 9798.XX
-



Reflective Films

A range of retro-reflective films for most applications.

- Solvent permanent acrylic adhesive
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'

ORALITE® 5200 Economy Series Reflective

80µ cast PVC reflective film which is conformable and also suitable for Solvent, Latex and UV printers.

Excellent adhesion combined with good long term removability.

- 1.5D cast
- 6 reflective colours
- External life of 3 years
- 145gsm backprinted PE coated liner
- Widths of 615mm and 1235mm
- APS 'Galaxy' product codes- APS: 5200-XXX

ORALITE® 5400 Commercial Series Reflective

90µ cast PVC flexible reflective film made to classification RA1, design A (former type 1).

Excellent adhesion and good long term removability.

Product has a PVC top surface suitable for Solvent, Latex and UV printers.

- 2D cast
- 6 reflective colours
- External life of 4-5 years
- 145gsm backprinted PE coated liner
- Widths of 615mm and 1235mm
- APS 'Galaxy' product codes- APS: 5400-XXX

ORALITE® 5500 Engineering Series Reflective

110µ cast PVC reflective film with watermarking.

This series complies with EN12899-1 (RA1; design A) and ASTM D4956-09 (Type I sheeting) and the colours in daylight comply with the specifications of this class (RA1; design A).

- 1D cast
 - 8 reflective colours
 - External life of 7 years
 - 145gsm backprinted PE coated liner
 - Widths of 615mm and 12350mm
 - APS 'Galaxy' product codes- APS: 5500-XXX
-

Fluorescent Films

Eye-catching fluorescent films for most applications.



900 Fluorescent Series

For eye catching longer term campaigns up to 2 years.

170µ very high gloss dual layer cast film with a permanent adhesive designed for applications on flat and curved surfaces.

Due to the white on the adhesive side the product is not suitable for two-way window applications.

Although not warranted for printing, customers have printed successfully on Solvent, Latex and UV printers.

- 1.5D cast
- 3 gloss fluorescent colours
- External life of 2 years
- Solvent permanent acrylic adhesive
- 135gsm backprinted kraft liner
- Widths of 615mm and 1230mm
- Available in standard roll lengths of 10M, 25M and 'buy the metre'



MACal 8000 Fluorescent Series

For eye catching short term promotional campaigns.

The satin finished 110µ monomeric PVC film is designed for flat-sided applications and will last between 3 and 6 months out of doors.

Due to the white primer on the adhesive side the product is not suitable for two-way window applications.

Removable adhesive for easy stripping at the end of the promotion.

Although not warranted for printing, customers have printed successfully on Solvent, Latex and UV printers.

- 1.5D monomeric
- 5 matt fluorescent colours
- External life of 3-6 months
- Solvent semi-permanent acrylic adhesive
- 135gsm backprinted kraft liner
- Fire rated EN13501-1
- Widths of 615mm and 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: 80XX



Photoluminescent Films

A glow-in-the-dark photoluminescent film for most applications.



K74111 Luminescent

Gloss white cast industrial grade glow-in-the-dark photoluminescent vinyl for external use and is our longest lasting photoluminescent, both in terms of afterglow and life cycle.

Featuring a 130µ cast face film, it is also our thinnest and most conformable luminescent film.

The range meets the requirements of DIN-67510PI for luminosity allowing it to be used for more industrial type safety signs.

K74111 gloss white has an expected outdoor life of 3 years maximum.

Although not warranted for printing, customers have printed successfully on Solvent, Latex and UV printers.

- 2D cast
- 1 gloss luminescent colour
- External life of 3 years
- 150gsm backprinted PE coated liner
- Width of 1220mm
- Available in any roll length between 1M- 50M
- APS 'Galaxy' product codes- APS: 74111
- Made in the UK



Stencil Films

A range of paint mask and ruby stencil films for most applications.

- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'

MACmask 84.817 Grey

Grey transparent stencil for flexible surfaces, 84.817 was designed for curtain sided vehicles.

This 80µ soft grey, transparent PVC stencil film features an ultra-removable highly plasticiser resistant adhesive. It has been designed to remove cleanly from most surfaces up to 4 hours after application without adhesive residue.

There can be problems when using stencil films in conjunction with cellulose paints. Consequently, due to the complexity of paints and inks used, it is the responsibility of the end user to test for compatibility.

- 2D
- Acrylic removable adhesive
- 135gsm backprinted kraft liner
- Widths of 615mm, 1230mm and 1524mm
- APS 'Galaxy' product codes- APS: 84.817

MACmask 28.180 White

White matt stencil for rigid surfaces.

80µ matt white PVC stencil film features an ultra-removable adhesive. It has been designed to remove cleanly from most surfaces up to 4 hours after application without adhesive residue.

There can be problems when using stencil films in conjunction with cellulose paints. Consequently, due to the complexity of paints and inks used, it is the responsibility of the end user to test for compatibility.

- 1.5D monomeric
- Acrylic removable adhesive
- 135gsm backprinted kraft liner
- Widths of 615mm and 1524mm
- APS 'Galaxy' product codes- APS: 28.180



Easy-Weed Ruby

For quick and easy creation of film positives.

Soft, semi-transparent, ruby film on a 125µ clear polyester liner.

Due to the thicker than usual backing, we believe this to be the easiest ruby film to cut and weed on the market. The product has excellent dimensional stability and an almost unlimited shelf life for archiving.

- 2D
- Widths of 610mm and 1210mm

Metallised Short Term

Metallised Films

A complete range of metallised films in both PVC and non-PVC with different finishes and textures. We also have different options for two-way and one-way viewing.



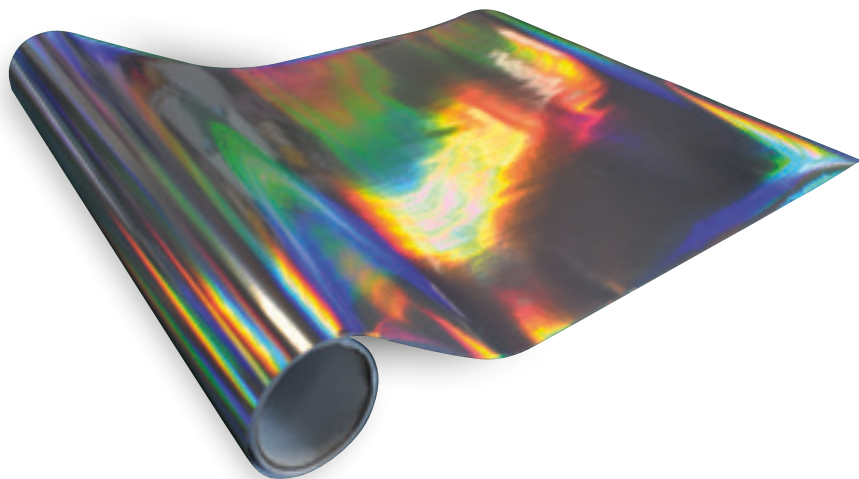
RH50 Bright Holographic Rainbow Silver

A metallised monomeric PVC film with a holographic effect.

The holographic 'rainbow' effect adds an eye-catching, distinctive look to the film, making it a great choice for promotional signage and decorative applications.

RH50 is printable with all ink technologies such as Solvent, Eco-Solvent, UV and Latex.

- SOLVENT, LATEX and UV
- 1D
- External life of 1 year
- Solvent permanent acrylic adhesive
- 120gsm PE coated liner
- Widths of 615mm and 1220mm



Metallised Short Term

NU-COAT T60-P-P Bright Two-Way Silver

50µ gloss premium metallised two-way PET film for internal and external applications.

T60-P-P Bright Two-Way Silver is primarily used for window graphics and has an external life of 3 years.

T60-P-P can be applied dry or wet and is now available up to 1530mm wide.

This adhesive builds bonds fast, even in wet and cold conditions, allowing you to remove the application tape quickly and save time and money in the application phase.

The UV polyacrylate adhesive will never whiten when wet applied, even at colder temperatures.

The 'water-repellent' PE coated liner makes wet application easier.

Can be printed by Latex or UV.

- **LATEX** and **UV**
- 1D polyester
- External life of 3 years
- Permanent clear UV polyacrylate adhesive
- 140gsm PE coated liner
- Widths of 615mm, 1230mm and 1530mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- Made in the UK
- **Non PVC product**

NU-COAT T61-P-P Bright Two-Way Gold

50µ gloss premium metallised two-way PET film for internal and external applications.

T61-P-P Bright Two-Way Gold offers a 'gold leaf' effect film and is primarily used for window graphics and has an external life of around 3 years.

T61-P-P can be applied dry or wet and is now available up to 1530mm wide.

This adhesive builds bonds fast, even in wet and cold conditions, allowing you to remove the application tape quickly and save time and money in the application phase.

The UV polyacrylate adhesive will never whiten when wet applied, even at colder temperatures.

The 'water-repellent' PE coated liner makes wet application easier.

Can be printed by Latex or UV.

- **LATEX** and **UV**
- 1D polyester
- External life of 3 years
- Permanent clear UV polyacrylate adhesive
- 140gsm PE coated liner
- Widths of 615mm, 1230mm and 1530mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- Made in the UK
- **Non PVC product**



Metallised Short Term

NU-COAT T72-P-P Two-Way Rose Gold

50μ gloss rose gold premium metallised two-way PET film for internal and external applications. Primarily used for window graphics and has an external life of 2 years. Can be printed with Latex inks.

T72-P-P can be applied dry or wet and is now available up to 1530mm wide.

This adhesive builds bonds fast, even in wet and cold conditions, allowing you to remove the application tape quickly and save time and money in the application phase.

The UV polyacrylate adhesive will never whiten when wet applied, even at colder temperatures.

The 'water-repellent' PE coated liner makes wet application easier.

- LATEX
- 1D polyester
- External life of 2 years
- Permanent clear UV polyacrylate adhesive
- 140gsm PE coated liner
- Widths of 615mm, 1230mm and 1530mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- Made in the UK
- Non PVC product



Metallised Short Term

NU-COAT T74-P-P Bright Two-Way Copper

50µ gloss 'proper' copper premium metallised two-way PET film for internal and external applications.

Primarily used for window graphics and has an external life of 3 years. Can be printed by Latex or UV.

T74-P-P can be applied dry or wet and is now available up to 1530mm wide.

This adhesive builds bonds fast, even in wet and cold conditions, allowing you to remove the application tape quickly and save time and money in the application phase.

The UV polyacrylate adhesive will never whiten when wet applied, even at colder temperatures.

The 'water-repellent' PE coated liner makes wet application easier.

- LATEX and UV
- 1D polyester
- External life of 3 years
- Permanent clear UV polyacrylate adhesive
- 140gsm PE coated liner
- Widths of 615mm, 1230mm and 1530mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- Made in the UK
- Non PVC product

NU-COAT T80-P-P Brushed Silver

50µ brushed silver metallised one-way PET film for internal and external applications.

Primarily used for window graphics and has an external life of 3 years. Can be printed by Latex or UV.

T80-P-P can be applied dry or wet and is available up to 1530mm wide.

This adhesive builds bonds fast, even in wet and cold conditions, allowing you to remove the application tape quickly and save time and money in the application phase.

The UV polyacrylate adhesive does not whiten when wet applied, even at colder temperatures.

The 'water-repellent' PE coated liner makes wet application easier.

- LATEX and UV
- 1D polyester
- External life of 3 years
- Permanent clear UV polyacrylate adhesive
- 140gsm PE coated liner
- Widths of 615mm, 1230mm and 1530mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- Made in the UK
- Non PVC product



Writing Boards

Board Films

A blackboard film for the most popular applications.

mactac wallCHALKER

wallCHALKER is a matt black textured semi-rigid blackboard vinyl, with a 4 year outdoor life and can be plotter cut, however due to it being thicker and tougher than most vinyl films, extra pressure and sharp blades will be necessary.

It features a semi-permanent adhesive that is cleanly removable from most common surfaces for up to 2 years.

- 1D monomeric
- External life of 4 years
- Solvent removable acrylic adhesive
- 135gsm backprinted kraft liner
- Width of 1230mm
- Available in standard roll lengths of 10M, 25M, 50M and 'buy the metre'
- APS 'Galaxy' product codes- APS: wallCHALKER



Application Tapes

Kleen/Tear Application Tapes

Our best value application tapes.

KleenTear tapes take the hassle out of using transfer tapes.

The tapes tear cleanly with no adhesive stringing and if adhesive touches adhesive, then KleenTear tape pulls apart easily with no adhesive damage.

KleenTear tapes are ideal when applying graphics wet.

Now available in wider widths for digital printers.

If you want to just stock one tack then KT50 Medium Tack should be your pick. It removes most lettering from the liner (if you have small matt text then just flip over the vinyl and remove the liner from the application paper) and works beautifully when you are applying wet.

KT50 Medium Tack Paper

Our best selling product, KT50 Medium Tack will work with almost any vinyl graphic image.

- Widths of 1220mm, 1370mm and 1520mm
- Available in standard roll lengths of 100yds

KT75 High Tack Paper

If you are working with small complicated lettering on matt vinyls then KT75 High Tack may be the best option as it will remove even the most stubborn lettering from the liner.

If you are still struggling to transfer the cut lettering then just flip over the vinyl and remove the liner from the application paper or try our Conform 4885 Super High Tack.

It will be a little slower than KT50 Medium Tack if you are doing a lot of wet application.

- Width of 1220mm
- Available in standard roll lengths of 100yds

Kleen/View KV40 Medium Tack Clear Film

KleenView 40 clear medium tack film allows you to see what you are doing when taping graphics.

More and more customers are now moving over to clear application tapes.

Wet application can take longer.

- Width of 1220mm
- Available in standard roll lengths of 100yds



Application Tapes



The Conform Series offers improved adhesion to any silicon liner.

RLA (Release Liner Adhesion) helps them resist wrinkling, tunnelling and edge curling, even on rolled or stacked cut vinyl graphics.

If you frequently post out vinyl graphic sets the Conform tapes are an obvious choice.

Conform 4050 Medium Tack Paper

A good all round choice if you want to stick to one application tape.

- Width of 1220mm
- Available in standard roll lengths of 100yds

Conform 4075 High Tack Paper

A better choice for small intricate work.

It does everything else that the Conform 4050 Medium Tack product does.

- Width of 1220mm and 1520mm
- Available in standard roll lengths of 100yds and 100M

Conform 4078 Medium Tack Paper

Ideal for wall graphics because it releases easily from applied graphics without pulling the graphics back off the wall.

For easy unwind and trouble-free handling, RTape 4078 Conform Medium Tack is also release coated which helps to prevent costly mishaps when laminating the tape to graphics.

- Width of 1220mm
- Available in standard roll lengths of 100yds

Conform 4760 Medium Tack Paper

A premium medium tack tape that is ideal for UV printed graphics.

- Width of 1370mm
- Available in standard roll lengths of 100M

Conform 4885 Super High Tack Paper

A super high tack application paper for difficult vinyl surfaces.

The adhesion on RTape 4885 Super High Tack is 25-30% more than on the standard RTape 4075 High Tack and has worked with UV inks and varnishes as well as with more embossed surfaces.

- Width of 1220mm
- Available in standard roll lengths of 100M



Magnetic Materials

Different magnetic materials to cover most applications..



Self-Adhesive Wall Magnetic

0.55mm self-adhesive brown magnet for magnetic walls.

Our 0.55mm self-adhesive magnetic material is supplied in convenient 1M wide rolls.

This is a non-printable magnetic backing sheet onto which the 'quick-change' printable ferrous products such as our FCP200 are positioned.

Use 0.55mm magnetic with our printable FCP200 to create 'quick-change' graphic solutions that consists of only two key parts:

Part 1. A permanent 'magnetic wall' made of our 0.55mm self-adhesive magnetic material, which is left in situ

Part 2. Changeable graphics made with FCP200 or similar which cling onto the 'magnetic wall', and can be changed or replaced as often as your campaign dictates

- Width of 1000mm
- Available in standard roll lengths of 20M and 'buy the metre'



White Magnetic

For use as a removable/replaceable sign on vehicles etc.

Plasticiser free, with a back coating on the brown side to prevent tarnishing of the painted surface and laminated on the face with a gloss white vinyl.

A premium quality magnetic product with a high intensity, multi-pole arrangement, designed to offer superior holding power and shear strength on most metallic surfaces (with minimal dead spots).

This product will not dry out or crack.

It is designed to be rolled and will provide years of trouble free, low maintenance service if used correctly.

Available in two standard gauges:

0.60mm and 0.85mm

The thickness of the magnetic vinyl is directly proportional to the magnetic force of the product.

If this product is used on a vehicle, the thicker product (0.85mm) is necessary for safety reasons.

Surfaces must be clean before applying.

Magnetic material does need special care and attention, so weekly removal and cleaning of the magnetic is recommended.

- Widths of 620mm, 1000mm and 1200mm
- Available in standard roll lengths of 10M, 15M, 30M and 'buy the metre'



Architectural Interior

LX Hausys BENIF Interior Architectural Films

A complete range of over 400 vinyl based architectural interior films in a wide variety of textures and colours. We stock the most popular patterns in the individual ranges here in the UK for next day delivery, this UK Hot 100+ range covers most day-to-day demands.

The LX Hausys Interior Film guide features several hundred other patterns that can be ordered with a lead time of between 1 and 2 weeks.

The 150µ- 250µ thick films are designed for a wide range of applications where speed of refurbishment is time critical. They can be applied to almost any surface including wood, metal, plaster board and melamine. Quickly transform walls, doors, ceilings, furniture, skirting and architrave with minimum disruption, less environmental impact and at a lower cost.

All products feature a high tack permanent 'air-free' adhesive to aid application.

The films are resistant to impact, abrasion and scratching, while remaining stable when exposed to heat, cold and humidity.

They are flexible enough to be adhered to shapes and curves including 90° edge returns.

Can be installed rapidly, minimising disruption, and are easy to repair.

All are CE Certified and IMO Certified by Lloyds, so you can specify with confidence.

A guide to handling LX Interior Films is on page 164.

- 2D
- 400+ different textures and shades
- 'Air-free' high tack solvent permanent acrylic adhesive
- 130gsm backprinted PE liner
- Fire rated EN13501-1
- Width of 1220mm
- Available in any roll length between 1M- 50M



'Elreina' EL and 'Natural Stone' NS Patterns

The 'Elreina' EL and 'Natural Stone' NS ranges consists of different concrete, stone and leather effect films each with its own unique colour and emboss.

- 8 'EL' and 2 'NS' textures and shades
- APS product codes - APS: ELXXX and NSXXX

'Big Marble' BM Pattern

The 'Big Marble' BM range comprises marble and concrete effect films ideal for large internal areas, each with its own unique colour and emboss.

- 12 'BM' textures and shades
- APS product codes - APS: BMXXX

'Abstract' ML and RM Patterns

The 'Abstract' ML and RM range are marble and stone effect films each with its own unique colour and emboss.

- 26 'ML' and 1 'RM' textures and shades
- APS product codes- APS: MLXX and RMXX



Architectural Interior

'Metal' MS, RP and PM Patterns

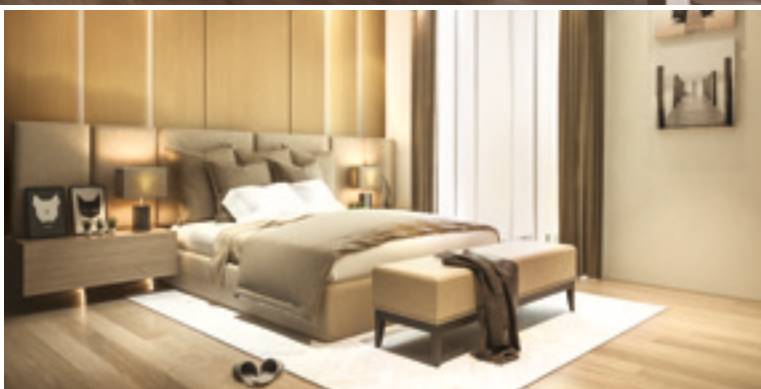
The 'Metal' MS, RP and PM ranges are textured metal effect films that add a touch of luxury to the surroundings.

- 6 'MS', 14 'RP' and 10 'PM' textures and shades
- APS product codes - APS: MSXX, RPXX and PMXX

'Wood' CW, DW, FW, NW and SW Patterns

These various 'Wood' ranges consist of different wood-effect films, each with its own unique colour and emboss.

- 92 'CW', 42 'DW', 1 'FW', 63 'NW' and 6 'SW' textures and shades
- APS product codes - APS: CWXXX, DWXXX, FWXXX, NWXXX and SWXXX



Architectural Interior

‘Classic Wood’ PW Patterns

The ‘Classic Wood’ ranges consist of different oak, ash, walnut and teak wood-effect films, each with its own unique colour and emboss.

- 40 ‘PW’ textures and shades
- APS product codes - APS: PWXXX

‘Big Wood’ BW Pattern

The ‘Big Wood’ range is ideal for covering large areas and consists of different oak, lauan, ash and walnut wood-effect films, each with its own unique colour and emboss.

- 15 ‘BW’ textures and shades
- APS product codes- APS: BWXXX

‘Solid’ RS and RB Pattern

The ‘Solid’ RS and RB ranges consist of different solid coloured films each with its own unique colour and emboss.

- 107 ‘RS’ and 1 ‘RB’ textures and shades
- APS product codes- APS: RSXX

‘Solid’ RGM Pattern

The ‘Solid’ RGM range are different solid coloured films with a subtle wood grain pattern.

- 8 ‘RGM’ textures and shades
- APS product codes- APS: RGMXX

‘Solid’ SM Pattern

The ‘Solid’ SM range are different solid coloured films designed to look like a natural surface painted in light colours.

- 8 ‘SM’ textures and shades
- APS product codes- APS: SMXXX

‘Solid’ SF Pattern

The ‘Solid’ SF range feels and looks like a coloured fabric.

- 10 ‘SF’ textures and shades
- APS product codes- APS: SFXXX

‘Plain Solid High Gloss’ GS and GM Pattern

The ‘Plain Solid High Gloss’ GS and GM ranges consist of a high gloss white solid coloured films.

- 2 ‘GS’ and 1 ‘GM’ textures and shades
- APS product codes- APS: GSXXX and GMXXX



Print Media - Introduction

Our range for Solvent, Latex and UV digital printers still continues to grow, with over 200 products to choose from, including products from leading manufacturers such as Mactac, Avery Dennison, NU-COAT, Sihl and DigiPRINT.

Hassle free quality products at competitive prices.

During the last decade we have built up the knowledge and experience that allows us to deliver trouble free media for Solvent, Latex and UV printers.

In-house we have most of the popular wide-format inkjet printers such as the HP Latex 560 printer, Solvent printers from both Mimaki and Roland and a Mimaki UCJV300-160 UV printer.

We only use these for product testing, development and colour profiling.

This capability allows us to really test all the products we sell to ensure we have the necessary profiles and knowledge to support them in the field.

We also stock a range of printable fabrics.



Print Media - Introduction

Conformability

- 1.5D The monomeric vinyls have little stretch and are generally for flat-sided applications but can be used on gentle curved surfaces. For concave and recessed areas the thicker speciality films should be cut.
- 2D Generally a conformable polymeric.
For convex areas use heat, for concave and recessed areas the film should be cut.
- 2.5D Conformable thin cast PVC generally 50µ-60µ. The thinner films may whiten if stretched too far. The thicker cast films are still conformable but the texture, heavy flake pattern or gloss level may distort when stretched and heated. For convex, concave and recessed areas use heat and post-heat.
- 3D Very conformable cast generally 50µ single or 80µ dual layer cast.
For convex, concave and recessed areas use heat and post-heat.

Adhesive types

- 'solvent permanent' adhesives are forgiving at low application temperatures and do not whiten when applied wet and cold. Excellent temperature resistance in service and very durable externally.
- 'permanent clear UV polyacrylate' adhesives offer similar performance to 'solvent permanent' but without the use of any solvents in the coating process. Very forgiving at low application temperatures, good performance on LSE surfaces and they do not whiten when applied wet and cold.
Excellent temperature resistance in service and very durable externally.
- 'acrylic permanent' adhesive is a lower cost version of the 'solvent permanent'.
The adhesive can milk when applied wet and cold and the application temperature range is narrower.
- 'solvent removable' adhesive is a solvent based acrylic adhesive that is more forgiving at low application temperatures and that allows removal of the vinyl from common surfaces without leaving adhesive residue, typically for up to 2 years after application.
- 'removable clear UV polyacrylate' adhesives offer similar performance to 'solvent removable' but without the use of any solvents in the coating process. Very forgiving at low application temperatures and that allows removal of the vinyl from common surfaces without leaving adhesive residue, typically for up to 2 years after application.
- 'acrylic removable' adhesive is a lower cost version of the 'solvent removable' that allows the removal of the vinyl from common surfaces without leaving adhesive residue, typically for up to 1 year after application.

Outdoor life

- Vertical exposure in the UK.
- For horizontal exposure (on roofs and bonnets) typically halve the vertical life.

Technical Advice and Support

For technical advice or support on how to get the best out of our media, call our sales offices on: 01753 696977 for the Southern Office, or 01709 829800 for the Northern Office, or email sales@allprint.co.uk



Flat Surfaces Mid Term - Introduction

The vinyl ranges featured in this section are for short to mid term use on flat or simple curved surfaces.

They are 1.5D monomeric PVC films and feature either long external life durable solvent acrylic and UV polyacrylate adhesives or acrylics in both permanent and removable grades.

Typical areas of use include:

- Vehicle graphics, medium term flat-sided
- Exhibition and promotional graphics
- Directional and retail signage
- Window graphics
- Indoor and outdoor advertising



Flat Surfaces
Mid Term

Flat Surfaces Mid Term

DigiPRINT DP4 Series

The DigiPRINT DP4 Series is our most competitively priced range of monomeric print vinyl's.

They feature a 95µ PVC face film and offer a 4 year external life with an acrylic permanent grey adhesive, and are available in both gloss and matt white.

Suggested laminates are DigiGUARD GU4 gloss and MU4 matt, both these laminates are suitable for UV, solvent and latex inks.

- SOLVENT, LATEX and UV
- 1.5D monomeric
- External life of 4 years
- Opaque grey permanent acrylic adhesive
- 140gsm kraft liner
- Self-extinguishing
- Widths of 1370mm and 1600mm
- Available in standard roll lengths of 50M and 'buy the metre'

WGPO

95µ gloss white monomeric film with a grey acrylic permanent adhesive.

WMPO

95µ matt white monomeric film with a grey acrylic permanent adhesive.

Flat Surfaces Mid Term

mactac JT 8500 Monomeric Series (Printvinyl)

The JT 8500 Series has been upgraded to 3 years.

All the products in the JT 8500 monomeric range feature 90µ-95µ monomeric PVC face films with acrylic permanent and acrylic removable adhesives in clear or grey versions.

Suggested laminates are Mactac's LF 8500 CM (Printcover 898 Matt) or LF 8500 CG (Printcover 899 Gloss).

For the lamination of UV prints we would suggest Mactac's LF 8700 CM-UV (LUV3898 Matt) or

LF 8700 CG-UV (LUV3899 Gloss).

- SOLVENT, LATEX and UV
- 1.5D monomeric
- External life of 3 years
- 120gsm backprinted kraft liner
- Available in standard roll lengths of 50M and 'buy the metre'

JT 8500 WG-PT 95µ gloss white monomeric film with an acrylic permanent adhesive. (Printvinyl PV829 P).

- Acrylic permanent adhesive
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1050mm, 1370mm and 1600mm

JT 8500 WG-RT 95µ gloss white monomeric film with an acrylic removable adhesive (Printvinyl PV829 R).

- Acrylic removable adhesive
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm and 1600mm

JT 8500 WM-PT 95µ matt white monomeric film with an acrylic permanent adhesive (Printvinyl PV828 P).

- Acrylic permanent adhesive
- Fire rated EN13501-1
- Widths of 1370mm and 1600mm

JT 8500 WM-RT 95µ matt white monomeric film with an acrylic removable adhesive (Printvinyl PV828 R).

- Acrylic removable adhesive
- Fire rated EN13501-1
- Widths of 1050mm, 1370mm and 1600mm

JT 8500 CG-RT 95µ gloss clear monomeric film with an acrylic removable adhesive (Printvinyl PV899 R).

- Acrylic removable adhesive
- Fire rated EN13501-1
- Widths of 1370mm and 1600mm



Flat Surfaces Mid Term

JT 8500 WG-PG 95μ gloss white monomeric film with an acrylic grey opaque permanent adhesive (Printvinyl PV829 P Grey BP).

- Opaque grey permanent acrylic adhesive
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm and 1600mm

JT 8500 WG-RG 95μ gloss white monomeric film with an acrylic grey opaque removable adhesive (Printvinyl PV829 R Grey BP).

- Opaque grey removable acrylic adhesive
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm and 1600mm

JT 8500 WM-PG 95μ matt white monomeric film with an acrylic grey opaque permanent adhesive (Printvinyl PV828 P Grey BP).

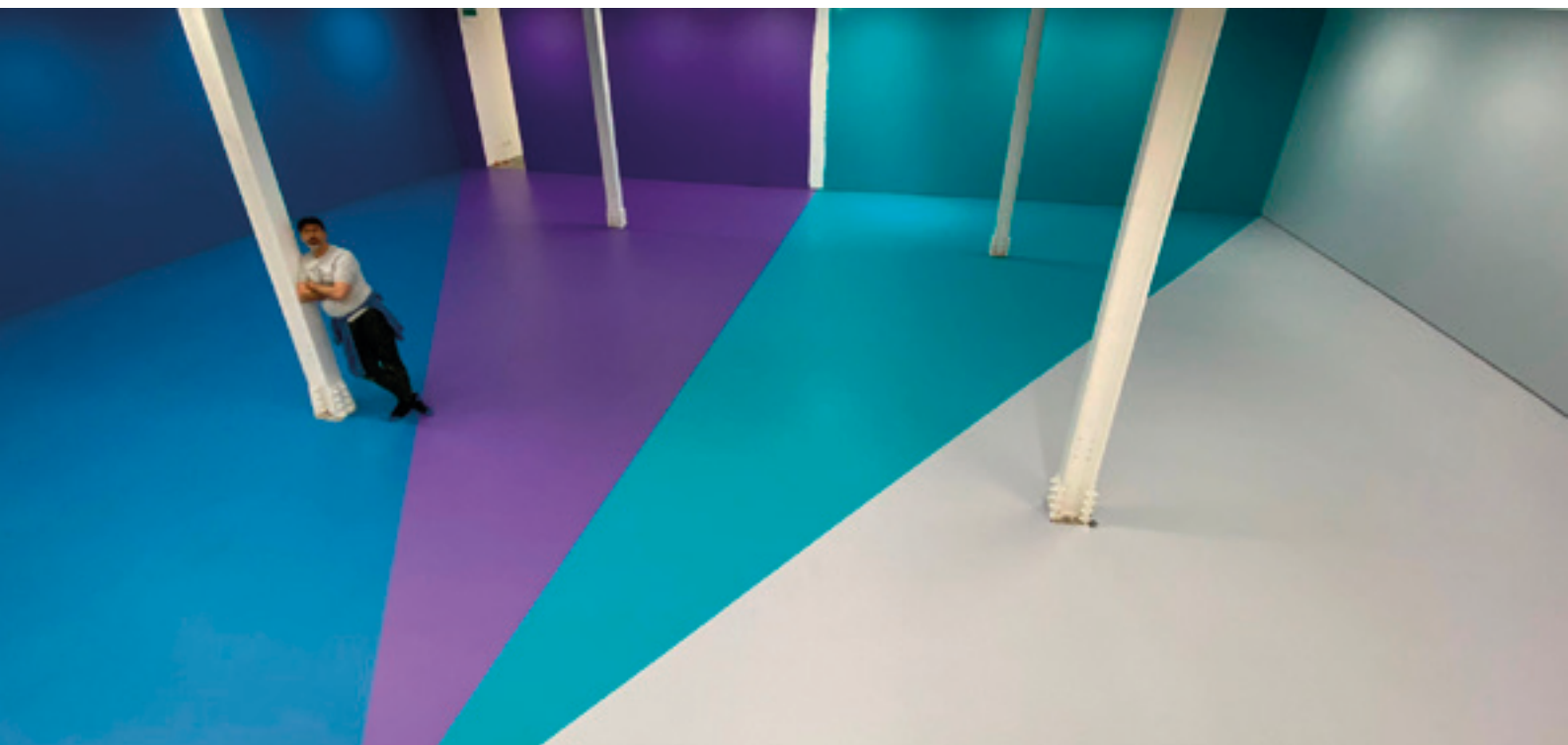
- Opaque grey permanent acrylic adhesive
- Fire rated EN13501-1
- Widths of 1370mm and 1600mm

JT 8500 WM-RG 95μ matt white monomeric film with an acrylic grey opaque removable adhesive (Printvinyl PV828 R Grey BP).

- Opaque grey removable acrylic adhesive
- Fire rated EN13501-1
- Widths of 1370mm and 1600mm

JT 8500 WG-SPB 90μ gloss white monomeric film with a black opaque acrylic semi-permanent adhesive (JT5829 SPB).

- Opaque black semi-permanent acrylic adhesive
- 120gsm backprinted kraft liner
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm and 1600mm



Flat Surfaces Mid Term



MPI 3000 High Opacity (HOP) Monomeric Series

Launched in 2017, all the products in the MPI 3000 HOP monomeric range feature high opacity monomeric PVC face films with acrylic permanent and acrylic removable adhesives.

The high opacity face film, with opacity at over 99%, means that traditional grey opaque adhesives are not required, reducing inventory and improving the consistency of the adhesive.

All the products are fire rated.

Suggested laminates are Avery Dennison's DOL 3460 Gloss, 3480 Matt or 3470 Lustre.

- SOLVENT, LATEX and UV
- 1.5D monomeric
- External life of 3 years
- 125gsm backprinted kraft liner
- Fire rated EN13501-1
- Available in standard roll lengths of 50M and 'buy the metre'

MPI 3000 HOP 95µ gloss white monomeric high opacity film with an acrylic permanent adhesive.

- Widths of 1370mm and 1600mm

MPI 3001 HOP 95µ gloss white monomeric high opacity film with an acrylic removable adhesive.

- Widths of 1370mm and 1600mm

MPI 3004 EA HOP 95µ gloss white monomeric high opacity film with an 'Easy Apply' acrylic permanent adhesive.

- 'EA' easy-apply, 'air-free' type adhesive
- 135gsm backprinted kraft liner
- Width of 1370mm

MPI 3020 HOP 95µ matt white monomeric high opacity film with an acrylic permanent adhesive.

- Widths of 1370mm and 1600mm

MPI 3021 HOP 95µ matt white monomeric high opacity film with an acrylic removable adhesive.

- Widths of 1370mm and 1600mm

MPI 3024 EA HOP 95µ matt white monomeric high opacity film with an 'Easy Apply' acrylic permanent adhesive.

- 'EA' easy-apply, 'air-free' type adhesive
 - 135gsm backprinted kraft liner
 - Width of 1370mm
-



Flat Surfaces Mid Term



MPI 3000 Standard Monomeric Series

The MPI 3000 fire rated monomeric range generally feature 95µ-100µ face films on stable 125gsm clay coated kraft release liners. Suggested laminates are Avery Dennison's DOL 3460 Gloss, 3480 Matt or 3470 Lustre.

- SOLVENT, LATEX and UV
- 1.5D monomeric
- 125gsm backprinted kraft liner
- Fire rated EN13501-1
- Available in standard roll lengths of 50M and 'buy the metre'

MPI 3026 SuperTack 95µ matt white monomeric with an extra strong permanent adhesive for promotional short term applications onto challenging substrates such as polyethylene and polypropylene.

- External life of 3 years
- Acrylic permanent high tack adhesive
- Width of 1370mm

MPI 3040 100µ gloss clear monomeric with a permanent adhesive.

- External life of 3 years
- Acrylic permanent adhesive
- Widths of 1370mm and 1600mm

MPI 3041 100µ gloss clear monomeric with a removable adhesive.

- External life of 3 years
- Acrylic removable adhesive
- Widths of 1370mm and 1600mm



Flat Surfaces Mid Term

Nu-Print 'M' Monomeric Series

All the products in the Nu-Print 'M' Series feature UV acrylic adhesives.

Manufactured in the UK and with outstanding performance.

The shrinkage on the monomeric PVC film, whiteness shade, and film opacity are significantly better than the competition.

The 'P' PermPLUS UV permanent adhesive has more adhesive power than the main competition.

The 'H' HighGRAB UV permanent adhesive is a high grab adhesive for more difficult substrates.

The 'U' UltraGRAB UV permanent adhesive is an ultra grab adhesive for even more demanding applications.

All the products in the 'M' range are fire rated to EN13501-1 and BS476, Class 0.

- SOLVENT, LATEX and UV
- 1.5D monomeric
- External life of 3-5 years
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm and 1600mm
- Available in standard roll lengths of 25M, 50M and 'buy the metre'
- Made in the UK

M11-P-P 80μ gloss white monomeric with a clear PermPLUS permanent adhesive.

On a PE liner for maximum stability.

- Permanent clear UV polyacrylate adhesive
- 120gsm backprinted PE coated liner

M11-P-X 80μ gloss white monomeric with an airXit clear permanent adhesive on a polyethylene coated liner.

The structured liner and adhesive system speeds up application times and helps to eliminate air bubbles.

- airXit medium tack permanent adhesive
- 160gsm micro-embossed PE coated liner

M12-P-P 80μ gloss white high-opacity monomeric with a clear medium tack PermPLUS permanent adhesive.

High opacity coverall film is the preferred alternative to a grey adhesive.

On a PE liner for maximum stability.

- Permanent clear UV polyacrylate adhesive
- 120gsm backprinted PE coated liner

M12-P-X 80μ gloss white high-opacity monomeric with an airXit clear permanent adhesive on a polyethylene coated liner.

The structured liner and adhesive system speeds up application times and helps to eliminate air bubbles.

High opacity coverall film is the preferred alternative to a grey adhesive.

- airXit medium tack permanent adhesive
 - 160gsm micro-embossed PE coated liner
-

Flat Surfaces Mid Term

M15-P-P 80μ matt white monomeric with a clear **PermPLUS** permanent adhesive.

On a PE liner for maximum stability.

- Permanent clear UV polyacrylate adhesive
- 120gsm backprinted PE coated liner

M15-P-X 80μ matt white monomeric with an **airXit** clear **permanent** adhesive on a polyethylene coated liner.

The structured liner and adhesive system speeds up application times and helps to eliminate air bubbles.

- airXit medium tack permanent adhesive
- 160gsm micro-embossed PE coated liner

M16-P-P 80μ matt white **high-opacity** monomeric with a clear **PermPLUS** permanent adhesive.

High opacity coverall film is the preferred alternative to a grey adhesive.

On a PE liner for maximum stability.

- Permanent clear UV polyacrylate adhesive
- 120gsm backprinted PE coated liner

M21-P-K 80μ transparent gloss monomeric with a clear **PermPLUS** permanent adhesive on a kraft liner.

Printable film that can also be used as a matched gloss laminate for Solvent, Latex and UV prints.

UVa block of 67%.

- Permanent clear UV polyacrylate adhesive
- 135gsm backprinted kraft liner

M21-P-X 80μ transparent gloss monomeric with an **airXit** clear **permanent** adhesive on a polyethylene coated liner. The structured liner and adhesive system speeds up application times and helps to eliminate air bubbles.

- airXit medium tack permanent adhesive
- 160gsm micro-embossed PE coated liner

M25-P-K 80μ transparent matt monomeric with a clear **PermPLUS** permanent adhesive on a kraft liner.

Printable film that can also be used as a matched matt laminate for Solvent, Latex and UV prints.

UVa block of 67%.

Although not designed specifically as a flooring laminate M25-P has achieved an R9 slip rating.

- Permanent clear UV polyacrylate adhesive
- 135gsm backprinted kraft liner
- DIN 51130 rated R9



Flat Surfaces Mid Term

M11-H-K 80μ gloss white monomeric with a clear **HighGRAB** permanent adhesive on a kraft liner.
Better than standard permanent adhesives for a wider range of difficult surfaces such as smooth and lightly textured walls, floors, ceramic tiles, MDF, wood, plasterboard etc. Also smooth low-surface energy surfaces such as PP etc.

- High-grab permanent clear UV polyacrylate adhesive
- 135gsm backprinted kraft liner

M12-H-K 80μ gloss white **high-opacity** monomeric with a clear **HighGRAB** permanent adhesive on a kraft liner.

Better than standard permanent adhesives for a wider range of difficult surfaces such as smooth and lightly textured walls, floors, ceramic tiles, MDF, wood, plasterboard etc. Also smooth low-surface energy surfaces such as PP etc.

High opacity coverall film is the preferred alternative to a grey adhesive.

- High-grab permanent clear UV polyacrylate adhesive
- 135gsm backprinted kraft liner

M12-H-X 80μ gloss white **high-opacity** monomeric with an **airXit** clear **HighGRAB** permanent adhesive on a polyethylene coated liner.

The structured liner and adhesive system speeds up application times and helps to eliminate air bubbles. Better than standard permanent adhesives for a wider range of difficult surfaces such as smooth and lightly textured walls, floors, ceramic tiles, MDF, wood, plasterboard etc. Also smooth low-surface energy surfaces such as PP etc.

High opacity coverall film is the preferred alternative to a grey adhesive.

- airXit high-grab permanent adhesive
- 160gsm micro-embossed PE coated liner

M15-H-K 80μ matt white monomeric with a clear **HighGRAB** permanent adhesive on a kraft liner.

Better than standard permanent adhesives for a wider range of difficult surfaces such as smooth and lightly textured walls, floors, ceramic tiles, MDF, wood, plasterboard etc. Also smooth low-surface energy surfaces such as PP etc.

- High-grab permanent clear UV polyacrylate adhesive
- 135gsm backprinted kraft liner

M16-H-K 80μ matt white **high-opacity** monomeric with a clear **HighGRAB** permanent adhesive on a kraft liner.

Better than standard permanent adhesives for a wider range of difficult surfaces such as smooth and lightly textured walls, floors, ceramic tiles, MDF, wood, plasterboard etc. Also smooth low-surface energy surfaces such as PP etc.

High opacity coverall film is the preferred alternative to a grey adhesive.

- High-grab permanent clear UV polyacrylate adhesive
- 135gsm backprinted kraft liner

M16-H-X 80μ matt white **high-opacity** monomeric with an **airXit** clear **HighGRAB** permanent adhesive on a polyethylene coated liner.

The structured liner and adhesive system speeds up application times and helps to eliminate air bubbles. Better than standard permanent adhesives for a wider range of difficult surfaces such as smooth and lightly textured walls, floors, ceramic tiles, MDF, wood, plasterboard etc. Also smooth low-surface energy surfaces such as PP etc.

High opacity coverall film is the preferred alternative to a grey adhesive.

- airXit high-grab permanent adhesive
- 160gsm micro-embossed PE coated liner



Flat Surfaces Mid Term

M12-U-K 80μ gloss white **high-opacity** monomeric with a clear **UltraGRAB** permanent adhesive on a kraft liner for more extreme applications and low-surface energy plastics.

Our strongest adhesive for the widest range of difficult surfaces such as smooth, lightly textured and rough walls, floors, ceramic tiles, MDF, wood, plasterboard etc. Also bonds very well to smooth and textured low-surface energy surfaces such as PP etc.

Adheres well at lower application temperatures and builds bond strength quickly.

High opacity coverall film is the preferred alternative to a grey adhesive.

- Ultra-grab permanent clear UV polyacrylate adhesive
- 135gsm backprinted kraft liner

M16-U-K 80μ matt white **high-opacity** monomeric with a clear **UltraGRAB** permanent adhesive on a kraft liner for more extreme applications and low-surface energy plastics.

Our strongest adhesive for the widest range of difficult surfaces such as smooth, lightly textured and rough walls, floors, ceramic tiles, MDF, wood, plasterboard etc. Also bonds very well to smooth and textured low-surface energy surfaces such as PP etc.

Adheres well at lower application temperatures and builds bond strength quickly.

High opacity coverall film is the preferred alternative to a grey adhesive.

- Ultra-grab permanent clear UV polyacrylate adhesive
- 135gsm backprinted kraft liner

M21-U-K 80μ gloss clear monomeric with a clear **UltraGRAB** permanent adhesive on a kraft liner for more extreme applications and low-surface energy plastics.

Our strongest adhesive for the widest range of difficult surfaces such as smooth, lightly textured and rough walls, floors, ceramic tiles, MDF, wood, plasterboard etc. Also bonds very well to smooth and textured low-surface energy surfaces such as PP etc.

Adheres well at lower application temperatures and builds bond strength quickly.

- Ultra-grab permanent clear UV polyacrylate adhesive
- 135gsm backprinted kraft liner



Flat Surfaces Mid Term

NU-COAT Nu-Print 'M' Monomeric Series

Matt white monomerics with a clear **MaxGRAB** permanent adhesive on a PE liner for the most demanding short-term applications on rougher surfaces.

Currently our tackiest and strongest adhesive for the widest range of difficult applications.

The high coat weight adhesive is ideal for rough external surfaces such as concrete, bricks, asphalt, tarmac etc. as the adhesive will flow in to the valleys increasing the adhesive contact area.

For flooring applications the durability is 3 to 6 months. Manufactured in the UK and with outstanding performance.

Fire rated to EN13501-1 and BS 476 Class 0.

- **SOLVENT**, **LATEX** and **UV**
- 1.5D monomeric
- External life of 3-6 months
- Max-grab permanent clear UV polyacrylate adhesive
- 140gsm backprinted PE coated liner
- Fire rated EN13501-1 and BS 476 Class 0
- Width of 1370mm
- Available in standard roll lengths of 25M and 'buy the metre'
- Made in the UK

M15-M-P 80µ matt white monomeric with a clear **MaxGRAB** permanent adhesive on a PE liner for more demanding applications on rougher surfaces.

Currently our tackiest and strongest adhesive for the widest range of difficult applications.

The high coat weight adhesive is ideal for rough external surfaces such as concrete, bricks, asphalt, tarmac etc. as the adhesive will flow in to the valleys increasing the adhesive contact area.

For flooring applications the durability is 3 to 6 months.

M16-M-P 80µ matt white **high-opacity** monomeric with a clear **MaxGRAB** permanent adhesive on a PE liner for more demanding applications on rougher surfaces.

Currently our tackiest and strongest adhesive for the widest range of difficult applications.

The high coat weight adhesive is ideal for rough external surfaces such as concrete, bricks, asphalt, tarmac etc. as the adhesive will flow in to the valleys increasing the adhesive contact area.

For flooring applications the durability is 3 to 6 months.



Flat Surfaces Mid Term

mactac JT 8700 Monomeric Series (JT5800)

All the products in the JT 8700 monomeric range feature 100µ monomeric PVC face films with solvent acrylic permanent and removable grey adhesives.

Suggested laminates are Mactac's LF8500 CM (Printcover 898 Matt) or LF8500 CG (Printcover 899 Gloss).

For the lamination of UV prints we would suggest Mactac's LF 8700 CM-UV (LUV3898 Matt) or LF 8700 CG-UV (LUV3899 Gloss).

- SOLVENT, LATEX and UV
- 1.5D monomeric
- External life of 4 years
- Fire rated EN13501-1
- Available in standard roll lengths of 50M and 'buy the metre'

JT 8700 WG-PG 100µ gloss white monomeric film with a grey opaque solvent acrylic permanent adhesive (JT5829 P).

- Opaque grey solvent permanent acrylic adhesive
- 140gsm backprinted kraft liner
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm and 1524mm

JT 8700 WG-RG 100µ gloss white monomeric film with a grey opaque solvent acrylic removable adhesive (JT5829 R).

- Opaque grey solvent removable acrylic adhesive
 - 140gsm backprinted kraft liner
 - Fire rated EN13501-1
 - Widths of 1370mm and 1524mm
-



Flat Surfaces Mid Term

JT 8700 WM-PG 100μ matt white monomeric film with a grey opaque solvent acrylic permanent adhesive (JT5828 P).

- Opaque grey solvent permanent acrylic adhesive
- 140gsm backprinted kraft liner
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm and 1524mm

JT 8700 WM-RG 100μ matt white monomeric film with a grey opaque solvent acrylic removable adhesive (JT5828 R).

- Opaque grey solvent removable acrylic adhesive
- 140gsm backprinted kraft liner
- Fire rated EN13501-1
- Widths of 1370mm and 1524mm

JT 8700 WG-BFG 100μ gloss white monomeric film with a micro-structured grey opaque permanent adhesive (JT5829 MBF).

- 'Bubble-free' solvent permanent repositionable adhesive
- 130gsm backprinted PE liner
- Fire rated EN13501-1
- Width of 1371mm



Flat Surfaces Mid Term

DigiPRINT Monomeric Series

A range of products featuring thicker face films for more unusual applications, also ideal for 'print and cut' labels.

- SOLVENT, LATEX and UV
- 1.5D monomeric

DS3005 150μ textured opaque white monomeric film with a grey extra-strong solvent acrylic permanent adhesive.

The textured surface resists scuffing which also allows the film to be used for many applications without a protective laminate and the grey adhesive is ideal for coverall applications.

Perfect for 'print and cut' labels.

- External life of 3 years
- Opaque grey solvent permanent acrylic adhesive
- 140gsm double-side PE coated liner
- Width of 1370mm
- Available in standard roll lengths of 50M and 'buy the metre'

DS3007 150μ gloss white monomeric film with an extra-strong solvent acrylic permanent adhesive.

Ideal for 'print and cut' labels, an added bonus is the ease of application for end users.

- External life of 3 years
 - Solvent permanent acrylic adhesive
 - 140gsm double-side PE coated liner
 - Width of 1370mm
 - Available in standard roll lengths of 50M and 'buy the metre'
-

Curved Surfaces Long Term - Introduction

The vinyl ranges featured in this section are for longer term use on flat or simple curved surfaces.

They are 2D polymeric and all feature long external life durable solvent acrylic or UV polyacrylate adhesives.

Typical areas of use include:

- Vehicle graphics, long term flat or curved
- Marine and recreational vehicle graphics
- Directional and retail signage
- Window graphics
- Outdoor advertising
- Equipment identification



Curved Surfaces Long Term



Buy The Metre:
Non-standard roll lengths are surcharged at 33%

Curved Surfaces Long Term

Nu-Print 'P' Polymeric Series

All the products in the Nu-Print 'P Series' feature UV acrylic adhesives.

Manufactured in the UK, fire rated and with outstanding performance.

The shrinkage on the polymeric PVC film, whiteness shade, and film opacity are significantly better than the competition.

The 'P' PermPLUS UV permanent adhesive has more adhesive power than the main competition.

The 'H' HighGRAB UV permanent adhesive is a high grab adhesive for more difficult substrates.

- SOLVENT, LATEX and UV
- 2D polymeric
- External life of 7 years
- Fire rated EN13501-1
- Widths of 1370mm and 1600mm
- Available in standard roll lengths of 25M, 50M and 'buy the metre'
- Made in the UK

P11-P-P 75µ gloss white polymeric with a clear PermPLUS permanent adhesive.

- Permanent clear UV polyacrylate adhesive
- 140gsm backprinted PE coated liner

P11-P-X 75µ gloss white polymeric with an airXit clear permanent adhesive on a polyethylene coated liner.

The structured liner and adhesive system speeds up application times and helps to eliminate air bubbles.

- airXit medium tack permanent adhesive
- 160gsm micro-embossed PE coated liner

P12-P-P 75µ gloss white high-opacity polymeric with a clear PermPLUS permanent adhesive.

High opacity coverall film is the preferred alternative to a grey adhesive.

- Permanent clear UV polyacrylate adhesive
- 140gsm backprinted PE coated liner

P12-P-X 75µ gloss white high-opacity polymeric with an airXit clear permanent adhesive on a polyethylene coated liner.

The structured liner and adhesive system speeds up application times and helps to eliminate air bubbles.

High opacity coverall film is the preferred alternative to a grey adhesive.

- airXit medium tack permanent adhesive
- 160gsm micro-embossed PE coated liner

P15-P-P 75µ matt white polymeric with a clear PermPLUS permanent adhesive.

- Permanent clear UV polyacrylate adhesive
- 140gsm backprinted PE coated liner

P16-P-P 75µ matt white high-opacity polymeric with a clear PermPLUS permanent adhesive.

High opacity coverall film is the preferred alternative to a grey adhesive.

- Permanent clear UV polyacrylate adhesive
 - 140gsm backprinted PE coated liner
-

Curved Surfaces Long Term

P21-P-K 75µ transparent gloss polymeric with a clear **PermPLUS permanent** adhesive.
Printable film that can also be used as a matched gloss laminate for Solvent, Latex and UV prints.
UVa block of 67%.

- Permanent clear UV polyacrylate adhesive
- 135gsm backprinted kraft liner

P21-P-P 75µ transparent gloss polymeric with a clear **PermPLUS permanent** adhesive.
Printable film that can also be used as a matched gloss laminate for Solvent, Latex and UV prints.
UVa block of 67%.

- Permanent clear UV polyacrylate adhesive
- 140gsm backprinted PE coated liner

P25-P-K 75µ transparent matt polymeric with a clear **PermPLUS permanent** adhesive.
Printable film that can also be used as a matched matt laminate for Solvent, Latex and UV prints.
UVa block of 67%.

- Permanent clear UV polyacrylate adhesive
- 135gsm backprinted kraft liner

P25-P-P 75µ transparent matt polymeric with a clear **PermPLUS permanent** adhesive.
Printable film that can also be used as a matched matt laminate for Solvent, Latex and UV prints.
UVa block of 67%.

- Permanent clear UV polyacrylate adhesive
- 140gsm backprinted PE coated liner

P12-H-K 75µ gloss white **high-opacity** polymeric with a clear **HighGRAB permanent** adhesive on a kraft liner.
Better than standard permanent adhesives for a wider range of difficult surfaces such as smooth and lightly textured walls, floors, ceramic tiles, MDF, wood, plasterboard etc. Also smooth low-surface energy surfaces such as PP etc. High opacity coverall film is the preferred alternative to a grey adhesive.

- HighGRAB permanent clear UV polyacrylate adhesive
- 140gsm backprinted kraft liner

P12-H-P 75µ gloss white **high-opacity** polymeric with a clear **HighGRAB permanent** adhesive on a PE liner.
Better than standard permanent adhesives for a wider range of difficult surfaces such as smooth and lightly textured walls, floors, ceramic tiles, MDF, wood, plasterboard etc. Also smooth low-surface energy surfaces such as PP etc. High opacity coverall film is the preferred alternative to a grey adhesive.

- HighGRAB permanent clear UV polyacrylate adhesive
- 140gsm backprinted PE coated liner

P12-H-X 75µ gloss white **high-opacity** polymeric with an **airXit clear HighGRAB permanent** adhesive on a polyethylene coated liner.

The structured liner and adhesive system speeds up application times and helps to eliminate air bubbles.
Better than standard permanent adhesives for a wider range of difficult surfaces such as smooth and lightly textured walls, floors, ceramic tiles, MDF, wood, plasterboard etc.
Also smooth low-surface energy surfaces such as PP etc.
High opacity coverall film is the preferred alternative to a grey adhesive.

- airXit high-grab permanent adhesive
- 160gsm micro-embossed PE coated liner



Curved Surfaces Long Term



MPI 2000 High Opacity (HOP) Polymeric Series

Launched in 2017, all the products in the MPI 2000 HOP polymeric range feature high opacity polymeric PVC face films with solvent based acrylic permanent and removable adhesives.

The HOP face film, with opacity at over 99%, means that traditional grey opaque adhesives are not required, reducing inventory and improving the consistency of the adhesive.

The products are all fire rated.

Suggested laminates are Avery Dennison's DOL 2460 Gloss polymeric, DOL 2480 Matt or DOL 2470 Lustre.

- SOLVENT, LATEX and UV
- 2D polymeric
- External life of 7 years
- 140gsm backprinted PE coated liner
- Fire rated EN13501-1
- Available in standard roll lengths of 50M and 'buy the metre'

MPI 2000 HOP 80µ gloss white polymeric high opacity film with a permanent adhesive.

- Solvent permanent acrylic adhesive
- Widths of 1370mm and 1600mm

MPI 2001 HOP 80µ gloss white polymeric high opacity film with a removable adhesive.

- Solvent removable acrylic adhesive
- Widths of 1370mm and 1600mm

MPI 2004 HOP EA 80µ gloss white polymeric high opacity film with a permanent 'Easy Apply' grey adhesive.

The easy-to-apply feature offers the benefits of faster application of decals and graphics.

- 'EA' easy-apply, 'air-free' type adhesive
- Widths of 1370mm and 1520mm

MPI 2006 HOP HT A high tack 80µ high opacity gloss white polymeric film with an extra strong permanent adhesive for low energy surfaces.

- Acrylic permanent high tack adhesive
 - Width of 1370mm
-



Curved Surfaces Long Term



MPI 2000 Standard Polymeric Series

All the products in the MPI 2000 Standard polymeric range feature 75µ to 80µ polymeric PVC face films with solvent based acrylic permanent and removable adhesives.

Suggested laminates are Avery Dennison's DOL 2460 Gloss polymeric, DOL 2480 Matt or DOL 2470 Lustre.

- SOLVENT, LATEX and UV
- 2D polymeric
- External life of 7 years
- 140gsm backprinted PE coated liner
- Fire rated EN13501-1
- Available in standard roll lengths of 50M and 'buy the metre'

MPI 2003 80µ gloss white polymeric film with a permanent and repositionable grey adhesive.

- Solvent permanent acrylic adhesive
- Width of 1370mm

MPI 2005 EA RS 75µ gloss white polymeric film with a permanent Easy Apply / Repositionable Slideable (EARS) grey adhesive.

Avery Dennison's Easy Apply RS™ technology offers the benefit of reducing wrinkling and trapping air during application.

- 'EA RS' easy-apply, repositionable and slideable adhesive
- Widths of 1370mm and 1520mm

MPI 2040 This is an 80µ gloss clear printable vinyl with a solvent based permanent adhesive, ideal for outdoor graphic applications.

- Solvent permanent acrylic adhesive
- Widths of 1370mm and 1600mm

MPI 2041 A removable version of MPI 2040.

With a solvent acrylic adhesive, this clear printable vinyl is an ideal product for window graphics.

- Solvent removable acrylic adhesive
 - Width of 1370mm
-



Curved Surfaces Long Term



MPI 2800 Polymeric Series

Lower cost version of the MPI 2000 HOP range, with a different release liner and adhesive.

Suggested laminates are Avery Dennison's DOL 2460 Gloss polymeric, DOL 2480 Matt or 2470 Lustre.

- SOLVENT, LATEX and UV
- 2D polymeric
- External life of 7 years
- Fire rated EN13501-1
- Available in standard roll lengths of 50M and 'buy the metre'

MPI 2800 HOP 80µ gloss white polymeric high opacity film with an acrylic permanent adhesive.

Lower cost alternative to MPI 2000 HOP.

- Acrylic permanent adhesive
- 125gsm backprinted kraft liner
- Widths of 1370mm and 1600mm

MPI 2801 HOP 80µ gloss white polymeric high opacity film with an acrylic removable adhesive.

Lower cost alternative to MPI 2001 HOP.

- Acrylic removable adhesive
- 125gsm backprinted kraft liner
- Widths of 1370mm and 1600mm

MPI 2804 EA 90µ gloss white polymeric with a permanent 'Easy Apply' grey adhesive.

The easy-to-apply feature offers the benefits of faster application of decals and graphics.

- 'EA' easy-apply, 'air-free' type adhesive
 - 145gsm micro-embossed backprinted PE liner
 - Widths of 1370mm and 1520mm
-



Curved Surfaces Long Term



Mactac JT 9500 and JT 9700 Polymeric Series

High quality and fire rated polymeric vinyls from Mactac, with solvent based adhesives.

JT 9500 suggested laminates are Mactac's LF 9500 CG-UV Gloss and LF 9500 CM-UV Matt.

For JT 9700 either LF 9700 CG-UV Gloss or LF 9700 CM-UV Matt.

- SOLVENT, LATEX and UV
- 2D Polymeric
- External life of 7 years
- Solvent permanent acrylic adhesive
- Fire rated
- Available in standard roll lengths of 50M and 'buy the metre'

JT 9500 WG-PT

A 65µ gloss white polymeric with a clear permanent acrylic adhesive (MACpoly 929 P).

- Solvent permanent acrylic adhesive
- 140gsm backprinted kraft liner
- Fire rated EN13501-1
- Widths of 1370mm and 1600mm

JT 9500 WG-PG

A 65µ gloss white polymeric with a grey opaque permanent acrylic adhesive (MACpoly 929 P GREY).

- Opaque grey solvent permanent acrylic adhesive
- 140gsm backprinted kraft liner
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm and 1600mm

JT 9500 WG-BFG

A 65µ gloss white polymeric with a micro-textured bubble-free, grey opaque permanent acrylic adhesive.

- 'Bubble-free' solvent permanent repositionable grey opaque adhesive
- 145gsm backprinted PE coated liner
- Fire rated EN13501-1
- Widths of 1370mm and 1524mm

JT 9500 WM-PG

A 65µ matt white polymeric with a grey opaque permanent acrylic adhesive (MACpoly 928 P GREY).

- Opaque grey solvent permanent acrylic adhesive
- 140gsm backprinted kraft liner
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm and 1600mm

JT 9500 CG-RT

A 65µ gloss clear polymeric with a removable adhesive.

This replaces the old JT 5999 R and is ideal for longer-term window applications where clean removal is required at the end of life (MACpoly 999 R).

- Solvent removable acrylic adhesive
- 140gsm backprinted kraft liner
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm

JT 9700 WG-PG

A 70µ gloss white polymeric with a grey opaque solvent based permanent acrylic adhesive.

JT 9700 WG-PG now features a PE liner and replaces the old codes JT 5929 P / JT 5929 PM.

- Solvent permanent acrylic adhesive
 - 140gsm backprinted PE coated liner
 - Fire rated EN13501-1 and BS 476 Class 0
 - Widths of 1370mm and 1524mm
-

Wrapping Long Term - Introduction

The vinyls featured in this section are for long term use on flat and curved surfaces.

From Avery Dennison the MPI 1000 Cast Series offers a range of 3D cast PVC films that feature long external life and durable solvent acrylic adhesives. In addition Avery Dennison SP 1504 EA is a PVC free wrap film that offers a more sustainable wrapping solution but doesn't sacrifice on film performance and features a grey opaque 'bubble-free' permanent adhesive.

Mactac's JT 10700 WG-BFG-XR offers a highly conformable cast vinyl with a micro-textured bubble-free, grey opaque permanent adhesive for challenging 3D wrapping applications. Excellent conformability, low initial tack and repositionability for smooth, fast application results.

Typical areas of use include:

- Vehicle wrapping, long term flat or curved
- Long term fleet and plant graphics
- Marine wrapping above the waterline, long term flat or curved
- Directional and retail signage
- Equipment identification



Wrapping
Long Term

Wrapping Long Term

FEDRIGONI C50 Ultimate SELF-ADHESIVES

C50 Ultimate Slide & Tack from Fedrigoni is our most competitive and easiest to apply digital cast wrap film. White gloss, 50μ highly conformable cast vinyl with a micro-textured bubble-free, grey opaque permanent adhesive for challenging 3D wrapping applications.

The special formulation of the adhesive, combined with the microstructure of the liner, makes C50 Ultimate Slide & Tack easy to apply with the low initial adhesion allowing the film to be easily repositioned.

Gives the applicator more margin for positioning errors and allows easy elimination of air bubbles.

The recommended laminate is Fedrigoni's C30 Ultimate 30μ clear cast film.

C50 is printable on all main platforms and offers extreme conformability on 3D surfaces and corrugations.

- SOLVENT, LATEX and UV
 - 3D cast
 - External life of 12 years
 - 'Bubble-free' solvent permanent repositionable grey opaque adhesive
 - 140gsm micro-embossed backprinted PE liner
 - Widths of 1370mm and 1520mm
 - Available in standard roll lengths of 23M, 46M and 'buy the metre'
-



Wrapping Long Term

mactac JT 10700 WG-BFG-XR

Mactac's JT 10700 WG-BFG-XR is a white gloss, 50µ highly conformable cast vinyl with a micro-textured bubble-free, **extremely repositionable** grey opaque permanent adhesive for challenging 3D wrapping applications. JT 10700 WG-BFG-XR has excellent conformability, low initial tack and repositionability and offers smooth, even faster application results.

Combined with Mactac's LF 10700 Series of matched conformable wrap laminates, LF 10700 CG-UV gloss or LF 10700 CM-UV matt, this is a winning wrap combination!

JT 10700 WG-BFG-XR is printable on all main platforms and offers extreme conformability on 3D surfaces and corrugations.

- SOLVENT, LATEX and UV
 - 3D Cast
 - External life of 7 years
 - 'Bubble-free' solvent permanent extremely repositionable grey opaque adhesive
 - 145gsm micro-embossed backprinted PE coated liner
 - Fire rated EN13501-1
 - Widths of 1370mm and 1524mm
 - Available in standard roll lengths of 50M and 'buy the metre'
-



Wrapping Long Term



SP 1504 EA

SP 1504 Easy Apply™ is a 60μ gloss white, opaque PU blend premium digitally printable wrapping film in combination with a low initial tack and highly repositionable permanent, grey acrylic based adhesive.

PVC-free, SP 1504 EA offers a more sustainable wrapping solution that doesn't sacrifice on film performance.

Combined with DOL 6460 laminate it is highly conformable and repositionable over corrugations, curves and rivets and is quick and easy to apply.

- SOLVENT, LATEX and UV
 - 3D Polyurethane blend
 - External life of 10 years
 - 'EA' easy-apply, 'air-free' type adhesive
 - 155gsm micro-embossed backprinted PE coated liner
 - Fire rated EN13501-1
 - Widths of 1370mm
 - Available in standard roll lengths of 25M, 50M and 'buy the metre'
 - Non PVC product
-



Wrapping Long Term



MPI 1000 Cast Series

A complete range of 50μ highly conformable cast vinyls with an outdoor durability of 7-10 years.

Designed for complex and full 3D vinyl wraps and with repositionable permanent grey coverall adhesives that are easy to position during application.

MPI 1000 range is recommended for applications on rivets and corrugations.

All the products are fire rated.

- SOLVENT, LATEX and UV
- 3D Cast
- Fire rated EN13501-1
- Certified / Profiled for HP Latex Inks

MPI 1104 EA

MPI 1104 EA is an opaque gloss white 3D cast wrap film featuring Avery Dennison's Easy Apply™ Technology to ensure entrapped air can easily be rubbed out without the need to puncture the film.

- External life of 7 years
- 'EA' easy-apply, 'air-free' type adhesive
- Widths of 1370mm and 1520mm
- Available in standard roll lengths of 25M, 50M and 'buy the metre'

MPI 1105 EA RS

Avery Dennison's top of the range digital cast wrapping film with best-in-class 3D conformability for the most demanding private vehicle and commercial fleet wraps.

MPI 1105 EA RS features Easy Apply RS™ adhesive technology with air-egress, repositionability and slideability making it our quickest and easiest film to fit.

This is the same adhesive system that is used on Avery Dennison's Supreme Wrapping Film range.

- External life of 10 years
- 'EA RS' easy-apply, repositionable and slideable adhesive
- Widths of 1370mm and 1520mm
- Available in standard roll lengths of 25M, 50M and 'buy the metre'

MPI 1106 HT

Avery Dennison's High Tack digital cast wrapping film with best-in-class 3D conformability for the most demanding surfaces.

MPI 1106 HT is designed specifically for low energy substrates or difficult surfaces.

- External life of 7 years
 - Opaque grey solvent high tack permanent acrylic adhesive
 - Width of 1370mm
 - Available in standard roll lengths of 25M and 'buy the metre'
-

mactac JT 5000 Glass Decor Series

A range of vinyls and polyester films for use on glass surfaces and illuminated signs.

JT 8700 CG-RT

Now updated to 4 years outdoors, a 75µ gloss clear monomeric vinyl with a removable adhesive that can be removed cleanly from most surfaces within 2 years of application (JT 5899 R).

- SOLVENT, LATEX and UV
- 1.5D monomeric
- External life of 4 years
- Solvent removable acrylic adhesive
- 140gsm backprinted kraft liner
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm and 1524mm
- Available in standard roll lengths of 50M and 'buy the metre'

JT 9700 CG-BFT

80µ gloss clear polymeric with a repositionable permanent 'bubble-free' adhesive for quick and easy application to glass and other smooth surfaces (JT 5999 BF).

- SOLVENT, LATEX and UV
- 2D polymeric
- External life of 5 years
- 'Bubble-free' solvent permanent repositionable adhesive
- 130gsm backprinted PE liner
- Fire rated EN13501-1
- Width of 1370mm
- Available in standard roll lengths of 50M and 'buy the metre'

JT 9700 WT-PT

80µ matt white translucent polymeric vinyl with a permanent clear solvent adhesive.

For illuminated signage applications.

This replaces the old code JT 5728 PM.

- SOLVENT, LATEX and UV
- 2D polymeric
- External life of 7 years
- Solvent permanent acrylic adhesive
- 130gsm backprinted PE liner
- Fire rated EN13501-1
- Width of 1370mm
- Available in standard roll lengths of 50M and 'buy the metre'



Windows & Backlit

JT 9700 WT-BFT Frosted

80µ matt frosted polymeric etch glass vinyl with a repositionable permanent 'bubble-free' adhesive for quick and easy application to glass and other smooth surfaces.

This replaces the old code JT 5796 BF.

- SOLVENT, LATEX and UV
- 2D polymeric
- External life of 5 years
- 'Bubble-free' solvent permanent repositionable adhesive
- 130gsm backprinted PE liner
- Width of 1370mm
- Available in standard roll lengths of 25M and 'buy the metre'

JT 9700 WT-BFT Dusted

80µ matt dusted polymeric etch glass vinyl with a repositionable permanent 'bubble-free' adhesive for quick and easy application to glass and other smooth surfaces.

This replaces the old code JT 5798 BF.

- SOLVENT, LATEX and UV
- 2D polymeric
- External life of 5 years
- 'Bubble-free' permanent repositionable adhesive
- 130gsm backprinted PE liner
- Width of 1370mm
- Available in standard roll lengths of 25M and 'buy the metre'



Windows & Backlit



SF 100 Ultra Clear PET

Avery Dennison SF 100 Ultra clear removable is an ultra transparent film featuring a printable polyester face and an adhesive that will remove cleanly from most surfaces up to 1 year after application.

It is ideal for applications such as printed window graphics or decorative decals that require a removable ultra transparent film.

The SF 100 series uses a super clear film and adhesive combination that allows full window coverage so the unprinted area maintains glass clarity without the need to contour cut around the image.

- LATEX and UV
 - 1D polyester
 - External life of 2 years
 - Acrylic removable adhesive
 - Clear PET liner
 - Fire rated EN13501-1
 - Width of 1370mm
 - Available in standard roll lengths of 50M and 'buy the metre'
 - Non PVC product
-



Windows & Backlit

DigiPRINT Speciality Window Series

A range of self-adhesive films for use mainly on glass surfaces, including ultra-clear PVC and PET films.

DS3045

100μ single-sided blackout gloss white PVC film with a black high opaque permanent solvent based adhesive.

Economic single-sided blackout vinyl with high levels of opacity, almost total light block.

Moisture stable, stay flat double-sided PE release liner for increased stability in printing.

- SOLVENT, LATEX and UV
- 1.5D monomeric
- External life of 3 years
- Opaque black solvent permanent acrylic adhesive
- 140gsm double-side PE coated liner
- Widths of 1370mm and 1524mm
- Available in standard roll lengths of 50M and 'buy the metre'

DS3047

210μ double-sided gloss white blackout monomeric film with a clear permanent adhesive.

This is a double-sided blackout gloss white vinyl with a black blackout layer built in.

Ideal for window graphics where no show-through of the printed image is required, even in direct sunlight.

- SOLVENT, LATEX and UV
- 1.5D monomeric
- External life of 3 years
- Solvent permanent acrylic adhesive
- 140gsm double-side PE coated liner
- Widths of 1370mm and 1524mm
- Available in standard roll lengths of 30M and 'buy the metre'

DS3049

210μ double-sided gloss white blackout monomeric film with a clear removable adhesive.

This is a double-sided blackout gloss white vinyl with a black blackout layer built in.

Ideal for window graphics where no show-through of the printed image is required, even in direct sunlight.

- SOLVENT, LATEX and UV
- 1.5D monomeric
- External life of 3 years
- Solvent removable acrylic adhesive
- 140gsm double-side PE coated liner
- Widths of 1370mm and 1524mm
- Available in standard roll lengths of 50M and 'buy the metre'



DS3054 R

80μ ultra clear gloss monomeric Class 0 fire rated PVC with a removable adhesive for windows on a matt clear PET liner for ultimate clarity.

A good alternative to clear polyester films for applications on glass. Our clearest vinyl for windows with a clarity that rivals polyester.

Easy to print, handle and quicker to dry than polyester with a clear removable solvent acrylic adhesive for non-milking wet application to windows over a range of temperatures.

For high quality window graphics where a 'no vinyl' look is preferred.

Can also be printed reverse so can be applied internally for external viewing.

Supplied with a matt clear PET liner to allow job monitoring while printing with white ink and also for increased clarity on windows.

- SOLVENT, LATEX and UV
- 1.5D monomeric
- External life of 3 years
- Solvent removable acrylic adhesive
- Matt clear PET liner
- Fire rated BS 476 Class 0
- Width of 1524mm
- Available in standard roll lengths of 30M and 'buy the metre'

DS3054 P

80μ ultra clear gloss monomeric Class 0 fire rated PVC but with a permanent adhesive for windows, on a matt clear PET liner for ultimate clarity.

A good alternative to clear polyester films for applications on glass. Our clearest vinyl for windows with a clarity that rivals polyester.

Easy to print, handle and quicker to dry than polyester with a clear permanent solvent acrylic adhesive for non-milking wet application to windows over a range of temperatures.

For high quality window graphics where a 'no vinyl' look is preferred.

Can also be printed reverse so can be applied internally for external viewing.

Supplied with a matt clear PET liner to allow job monitoring while printing with white ink and also for increased clarity on windows.

- SOLVENT, LATEX and UV
- 1.5D monomeric
- External life of 3 years
- Solvent permanent acrylic adhesive
- Matt clear PET liner
- Fire rated BS 476 Class 0
- Width of 1524mm
- Available in standard roll lengths of 30M and 'buy the metre'

DS1000 Crystal

50μ crystal clear gloss polyester with a permanent adhesive for windows.

On a clear PET liner for ultimate clarity on internal faces of glass.

DS1000 has an expected life of 5 years when applied to the inside of glass.

Ultra transparent and scratch resistant top-coated PET film features a UV printable polyester face that is ideal for applications such as printed window graphics or decorative decals that require a 'no film' appearance so the unprinted area maintains glass clear without the need to contour cut around the image.

The hard top-coat also helps resist scratching of the graphic in application. For UV printing only.

- UV
- 1D polyester
- Internal life of 5 years
- Solvent permanent acrylic adhesive
- Clear PET liner
- Width of 1560mm
- Available in standard roll lengths of 50M and 'buy the metre'

Windows & Backlit

NU-COAT Static Cling

Cling2 static self-cling PVC is ideal for internal prints on smooth surfaces.

Made in the UK, the highly plasticised film will adhere to any smooth surface such as glass or painted metal, with no adhesive residue when the printed graphic is removed.

Wet application is recommended as it will give a better seal to the substrate, eliminating air bubbles.

- SOLVENT, LATEX, UV, SCREEN and OFFSET
- 1D monomeric
- 190gsm PE coated liner
- Width of 1370mm
- Available in standard roll lengths of 25M, 50M and 'buy the metre'
- Made in the UK

Cling2 S11-Z White 150μ gloss white static self-cling PVC on a heat stable PE liner.

- 190gsm PE coated liner

Cling2 S21-Z Clear 150μ gloss clear static self-cling PVC on a heat stable PE liner.

The clarity on the clear film is better than any others we have seen, allowing the clear film to disappear when applied correctly to a window.

Cling2 S21-Z Clear is generally printed in reverse.

The product can be backed up with a thin white self-adhesive PVC or white ink to add punch to the image.

- 190gsm PE coated liner
-



Windows & Backlit



ClingSIL

Two 'easy to apply' polyester films in white or clear with silicone adhesive that is ideal for applications onto windows and other smooth surfaces.

These repositionable and removable films don't leave any adhesive residue and offer high resolution image quality with an outstanding colour spectrum.

Used mainly for internal window decorations on glass, but can also be used for selective external applications on glass for 18 to 24 months.

- SOLVENT, LATEX and UV
- 1D monomeric
- External life of 18-24 months in selective areas
- Silicone repositionable and removable adhesive
- Polyester liner
- Width of 1370mm
- Available in standard roll lengths of 30M and 'buy the metre'
- Non PVC product

ClingSIL White CSW130

A 100µ matt white 'easy to apply' polyester print film with silicone adhesive for indoor window decoration.

ClingSIL Clear CSC130

An 'easy to apply' 100µ ultra-clear gloss transparent polyester print film with silicone adhesive for indoor window decoration.

The optical clarity on this film is excellent, allowing the clear film to virtually disappear when applied correctly to windows.

ClingSIL Clear is suitable for printing in reverse for viewing through the film.

The product can be printed with white ink or backed up with a white self-adhesive film to add punch to the image.



Windows & Backlit

One-Way Vision

'One-way vision' vinyls for windows.

A couple of perforated vinyls with different hole ratios and for different printer technologies.

mactac JT 7300 WG-PB 40

JT 7300 WG-PB 40 (was JT 5817 PUV) is a fire rated 180µ white perforated monomeric with 1.6mm holes, a black reverse side and a semi-permanent adhesive.

It features a film liner for Latex, UV and Solvent printing. Vinyl to hole ratio is 60:40 making it better for mid range viewing.

Recommended optically clear gloss laminate is LUV 7036 polyester.

- SOLVENT, LATEX and UV
 - 1D
 - External life of 1 year
 - Acrylic semi-permanent adhesive
 - Paper / PP hybrid liner
 - Fire rated EN13501-1
 - Widths of 1370mm and 1520mm
 - Available in standard roll lengths of 10M, 50M and 'buy the metre'
-

mactac JT 7300 WG-PB 30

JT 7300 WG-PB 30 (was JT 5837 P) is a 180µ white perforated monomeric with 1.5mm holes, a black reverse side and a semi-permanent adhesive and solid liner.

Vinyl to hole ratio is 70:30 making it better for close range viewing.

Recommended optically clear gloss laminate is LUV 7036 polyester.

- SOLVENT, LATEX and UV
 - 1D
 - External life of 1 year
 - Acrylic semi-permanent adhesive
 - 135gsm backprinted PE coated liner
 - Width of 1370mm
 - Available in standard roll lengths of 50M and 'buy the metre'
-



Non-Adhesive Polyester

A range of non-adhesive polyester films for use on glass surfaces and for illuminated signage.



MBL2

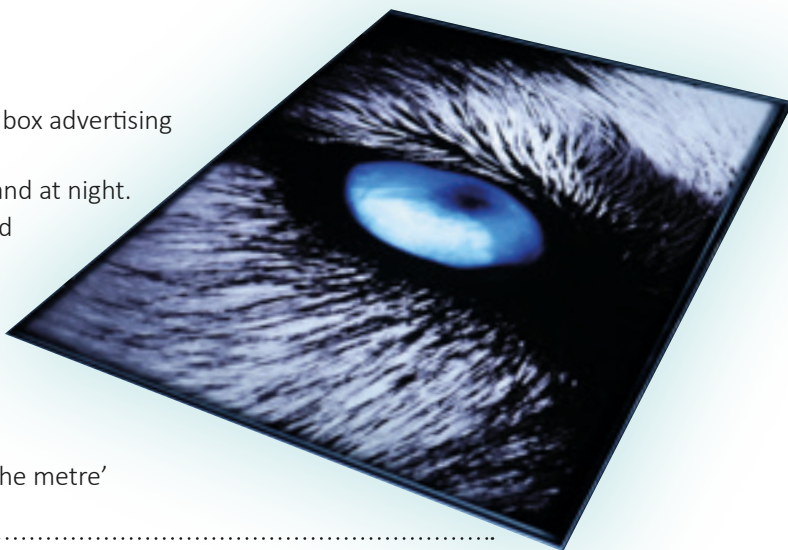
A 200µ matt front print PET backlit display film.

This matt finished polyester film is optimised for light box advertising with Solvent, Latex and UV inks.

Suitable for indoor and outdoor use in both daylight and at night.

It can be used in environments with high humidity and condensation and its high ink absorption capacity produces vibrant colours and rich black surfaces in both reflected and transmitted light.

- SOLVENT, LATEX and UV
 - 1D polyester
 - Widths of 1370mm and 1524mm
 - Available in standard roll lengths of 30M and 'buy the metre'
 - Non PVC product
-



TSTC8

190µ optically clear gloss, unsupported PET film.

Primarily for window graphics.

This clear non-adhesive film has superb clarity and tear resistance.

The polyester based film is capable of taking lots of ink making it also ideal for creating film positives and the like.

Graphics should be produced in the highest quality mode to maximise the print quality and to allow the film to dry.

TSTC8 is a coated polyester and should be left for at least 1 hour before handling, or it is dry to touch.

This film is an ultra clear product so great care should be taken throughout the work stages to avoid damaging the surface.

Lamination is liable to dull down the overall image so it is not recommended.

If the product has to be laminated we would recommend an ultra clear polyester laminate.

- SOLVENT and UV
 - 1D polyester
 - Width of 1520mm
 - Available in standard roll lengths of 30M and 'buy the metre'
 - Non PVC product
-

Products in this section cover a wide range of more unusual self-adhesive applications and finishes.

NU-COAT Nu-Print 'O' Series Non-PVC

Fire rated PVC free polypropylene films with a 4 year outdoor life.

A cost effective alternative to PVC films for Latex and UV printing only.

- LATEX and UV
- 1D
- External life of 4 years
- 140gsm PE coated liner
- Fire rated EN13501-1
- Width of 1370mm
- Available in standard roll lengths of 50M and 'buy the metre'
- Made in the UK
- Non PVC product

O13-P-P

A fire rated PVC free 60μ satin white 4 year polypropylene with a PermPLUS permanent adhesive on a 140gsm neutral PE liner, for Latex and UV printing only.

- Permanent clear UV polyacrylate adhesive

O13-H-P

A fire rated PVC free 60μ satin white 4 year polypropylene with a HighGRAB permanent adhesive on a 140gsm neutral PE liner, for Latex and UV printing only.

- High-grab permanent clear UV polyacrylate adhesive





Guardian Print

Guardian Print is a fire rated 60µ matt white polypropylene with a grey opaque removable adhesive on a stable 140gsm PE liner.

It is designed for Latex and UV printing only.

This film is both 100% Chlorine free and Phthalate free.

Our recommended laminates are the Guardian PropLam Gloss and Matt films.

- LATEX and UV
- 1D polypropylene
- External life of 4 years
- Opaque grey acrylic removable adhesive
- 140gsm PE coated liner
- Fire rated EN13501-1
- Width of 1370mm
- Available in standard roll lengths of 50M and 'buy the metre'
- Non PVC product



Guardian Print AF

Guardian Print Air Free is a fire rated 60µ matt white polypropylene with a grey opaque air-free removable adhesive on a stable 140gsm structured PE liner for quick and dry application.

It is designed for Latex and UV printing only. This film is both 100% Chlorine free and Phthalate free..

Our recommended laminates are the Guardian PropLam Gloss and Matt films.

- LATEX and UV
- 1D polypropylene
- External life of 4 years
- Opaque grey acrylic removable air-free adhesive
- 140gsm micro-embossed PE liner
- Fire rated EN13501-1
- Width of 1370mm
- Available in standard roll lengths of 50M and 'buy the metre'
- Non PVC product



Speciality

mactac JT 5826 P

70µ very soft matt white PVC with a permanent adhesive designed for application to plasticised banners.

- SOLVENT and UV
 - 2D polymeric
 - External life of 3 years
 - Acrylic permanent adhesive
 - 140gsm backprinted kraft liner
 - Fire rated EN13501-1
 - Width of 1370mm
 - Available in standard roll lengths of 50M and 'buy the metre'
-





TSGG3

75µ gloss one-way gold PVC with a permanent adhesive, ideal for eye catching POS, nameplates, badges, retail advertising and exhibition graphics.

- SOLVENT and UV
- 1D monomeric
- External life of 1-2 years
- Acrylic permanent adhesive
- 140gsm PE coated liner
- Width of 1370mm
- Available in standard roll lengths of 45M and 'buy the metre'



TSGS3

75µ gloss two-way silver PVC with a permanent adhesive, ideal for eye catching POS, nameplates, badges, retail advertising and exhibition graphics.

- SOLVENT and UV
- 1D monomeric
- External life of 1-2 years
- Acrylic permanent adhesive
- 140gsm PE coated liner
- Width of 1370mm
- Available in standard roll lengths of 45M and 'buy the metre'



TSBS3

75µ brushed two-way silver PVC with a permanent adhesive, ideal for eye catching POS, nameplates, badges, retail advertising and exhibition graphics.

- SOLVENT and UV
- 1D monomeric
- External life of 1-2 years
- Acrylic permanent adhesive
- 140gsm PE coated liner
- Width of 1370mm
- Available in standard roll lengths of 45M and 'buy the metre'



TSBG3

75µ brushed one-way gold PVC with a permanent adhesive, ideal for eye catching POS, nameplates, badges, retail advertising and exhibition graphics.

- SOLVENT and UV
- 1D monomeric
- External life of 3 years
- Acrylic permanent adhesive
- 140gsm PE coated liner
- Width of 1220mm
- Available in standard roll lengths of 45M and 'buy the metre'

siHL 3529 SyntiSOL

3529 SyntiSOL is a 170µ easy-tack self-adhesive satin polypropylene designed for application to smooth surfaces. More environmentally friendly option than PVC for recycling and ideal for graphics that need to be easy to apply and easy to move around.

The film has good scratch and scuff resistance.

- SOLVENT and UV
 - 1D
 - Widths of 914mm, 1067mm, 1270mm and 1372mm
 - Available in standard roll lengths of 30M and 'buy the metre'
 - Non PVC product
-



SiHL 3683 TriSolv

3683 TriSolv PrimeArt Paper Blueback SA 210 is a 135gsm self-adhesive blue backed poster paper. It can be used as an instant cover-all poster or as a more eco-friendly alternative to vinyls on boards. It will not stretch in mounting so there is no need to laminate as the satin finish has quite good scratch and scuff resistance.

The base paper is sourced from certified managed forests.

- SOLVENT, LATEX and UV
 - 1D
 - Width of 1371mm
 - Available in standard roll lengths of 50M and 'buy the metre'
 - Non PVC product
-



Architectural - Introduction

Wall Coverings

A range of products that can be digitally printed for custom decoration of walls.

Including:

- Non-woven for pasting
- Non-woven pre-pasted
- Self-adhesive fabric based
- Paper backed PVC's for pasting
- Non-woven backed PVC's for pasting
- Self-adhesive PVC's both embossed and plain
- Self-adhesive PVC for external walls

Non-woven base papers are our wallpaper of choice due to its unique material properties such as high internal tear strength, faster fitting times and excellent dimensional stability.

They cost a little more than normal papers but the benefits really do outweigh the extra cost.

For the pasteable products you can use standard cellulose based heavy duty wallpaper paste.

Non-woven's can be removed easily at the end of life.

We would not recommend lamination of the non-woven's.

Self-adhesive polyester fabric is becoming more popular for wall decoration as they give a more unique look and touch than PVC's.

They are more 'breathable' than PVC's and more forgiving to fit as they can be stretched and conformed a little easier, particularly important on older walls.

We would not recommend lamination of the fabrics.

Self-adhesive PVC's tend to be more durable than polyester fabrics and have the advantage of being scrubbable.

They can be used in busier, dirtier and more difficult areas because they are resistant to moisture and are easily cleaned, but they can be trickier to fit by inexperienced users and should generally be butt jointed if tiled.

Some of the smoother PVC's are suitable for lamination and where this is appropriate we have made some lamination recommendations.

Paper backed PVC's are often a good choice. They are pasted so easier to get into position, handle uneven walls pretty well and can still be cleaned in-situ. We would not recommend lamination of these.



mactac WW Wall Wrap Series

A range of wall wrap papers and films for the internal and external decoration of buildings.

- SOLVENT, LATEX and UV
- Fire rated EN13501-1

WW Country Wall Paper

220µ self adhesive fire rated wall paper for internal use.

The premium quality FSC®certified printing paper is brushed with an elegant rustic texture and has a clear permanent adhesive for eco-friendly interior decorations on smooth surfaces.

- 1D
- External life of 4 years
- Acrylic permanent adhesive
- 125gsm backprinted kraft liner
- Width of 1370mm
- Available in standard roll lengths of 25M, 50M and 'buy the metre'
- Non PVC product



WW 100 PRO

55μ white gloss conformable vinyl with a grey opaque high tack permanent adhesive for application to brickwork. This conformable product can be applied to rough walls and the outdoor life has recently been upgraded to 3 years.

It is strongly recommended to laminate the prints with Mactac's LF 10700 CG-UV (CastLAM Gloss) or LF 10700 CM-UV (CastLAM Matt).

- 2D polymeric
- External life of 3 years
- Opaque grey solvent high tack permanent acrylic adhesive
- 130gsm backprinted PE liner
- Width of 1370mm
- Available in standard roll lengths of 25M, 50M and 'buy the metre'

WW 200

For the short term decoration of smooth, flat internal walls, typically for up to 1 years use.

WW 200 is a 150μ white matt semi-rigid vinyl, with a removable and repositionable clear acrylic adhesive that allows you to apply the product, reposition it, and remove it to re-apply it at a later date if required.

Lamination and tiling of the graphic is not recommended.

- 1D monomeric
- Acrylic removable adhesive
- 160gsm backprinted PE coated liner
- Width of 1370mm
- Available in widths of 1370mm
- Available in standard roll lengths of 25M, 50M and 'buy the metre'



WW 300

100μ white matt vinyl with a grey opaque permanent high tack adhesive for difficult to stick surfaces.

The high tack solvent-based adhesive ensures good adhesion to a variety of flat difficult substrates such as walls, carpets, industrial equipment, waste containers etc.

- 1D monomeric
- External life of 4 years
- Opaque grey solvent high tack permanent acrylic adhesive
- 140gsm backprinted kraft liner
- Widths of 1370mm and 1524mm
- Available in standard roll lengths of 50M and 'buy the metre'

WW 309

Gloss version of WW 300.

100μ gloss vinyl with a grey opaque permanent high tack adhesive for difficult to stick surfaces.

The high tack solvent-based adhesive ensures good adhesion to a variety of flat difficult substrates such as walls, industrial equipment, waste containers etc.

- 1D monomeric
- External life of 4 years
- Opaque grey solvent high tack permanent acrylic adhesive
- 140gsm backprinted kraft liner
- Widths of 1370mm and 1524mm
- Available in standard roll lengths of 50M and 'buy the metre'

WW 319 PU Gloss

A PVC-free, 80μ gloss white conformable PU blend with a grey opaque permanent high tack adhesive for difficult-to-stick surfaces, this PVC-free innovation redefines flexibility and performance, not only embracing sustainability but also offering a one-of-a-kind soft face film tailored for applications onto textured and brick walls. It is an outstanding choice whenever you're facing the many challenges of real-world walls and different outdoor surfaces, including textured walls, stone, brick, concrete and paint and performs well when exposed to different weather conditions.

The grey high tack adhesive provides strong adhesion on many difficult wall surfaces and great opacity as a coverall film.

- 1D polyurethane
- External life of 5 years
- Opaque grey solvent high tack permanent acrylic adhesive
- 135gsm backprinted PE coated liner
- Width of 1370mm
- Available in standard roll lengths of 50M and 'buy the metre'
- **Non PVC product**



WW Veneziano

300μ satin white self-adhesive textured vinyl with a high tack grey permanent adhesive for internal smooth flat walls.

Very good opacity due to the face film thickness and composition.

- 1D
 - Opaque grey solvent high tack permanent acrylic adhesive
 - 140gsm backprinted kraft liner
 - Width of 1370mm
 - Available in standard roll lengths of 30M and 'buy the metre'
-

WW Leather

225μ satin white self-adhesive textured vinyl with a high tack grey permanent adhesive for internal smooth flat walls.

Very good opacity due to the face film thickness and composition.

- 1D
 - Opaque grey solvent high tack permanent acrylic adhesive
 - 140gsm backprinted kraft liner
 - Width of 1370mm
 - Available in standard roll lengths of 30M and 'buy the metre'
-

WW Canvas

250μ satin white self-adhesive textured vinyl with a grey high tack permanent adhesive for internal smooth flat walls.

Very good opacity due to the face film thickness and composition.

- 1D
 - Opaque grey solvent high tack permanent acrylic adhesive
 - 140gsm backprinted kraft liner
 - Width of 1370mm
 - Available in standard roll lengths of 30M and 'buy the metre'
-





MPI 8000 Wall Covering Series

The MPI 8000 Wall Film portfolio from Avery Dennison gives design flexibility for even the most ambitious indoor wall vinyl printing applications – with new, three dimensional textures, rapid application and reliable print performance.

Access a whole new spectrum of creative possibilities, including printable films and papers with pure canvas, crushed stone and natural stucco textures.

A choice of adhesives supports the creation of unique short and longer term wall vinyl printed decoration in hospitality areas, retail areas, exhibitions and more.

Excellent opacity ensures that the underlying wall is completely concealed.

All the MPI 8000 Series films are designed for flat surfaces, are internal use only and have an expected life indoors of up to 4 years.

MPI 8726

In 4 different textures, the MPI 8726 products are fire rated and feature an aggressive high tack permanent adhesive for low surface energy and slightly structured substrates.

The tough, scuff-resistant, flexible, vinyl film is designed specifically for wall graphic applications.

Available in 200µ Stone, 150µ Canvas, 150µ Stucco and 150µ Wood grain finishes.

- SOLVENT, LATEX and UV
- Solvent permanent high tack acrylic adhesive
- Two-sided PE coated Staflat liner
- Fire rated EN13501-1
- Width of 1370mm
- Available in standard roll lengths of 25M and 'buy the metre'

MPI 8626

A 150µ fire rated matt white vinyl with an aggressive high tack permanent adhesive for wall graphic applications on slightly structured and apolar substrates.

The thicker film improves opacity and fitting times.

- SOLVENT, LATEX and UV
- Solvent permanent high tack acrylic adhesive
- 125gsm backprinted kraft liner
- Fire rated EN13501-1
- Width of 1370mm
- Available in standard roll lengths of 50M and 'buy the metre'



MPI 8621

A 150µ fire rated satin white vinyl designed for wall graphic applications.

Excellent dimensional stability after application and good removability on selected substrates, typically up to 1 year. The thicker film improves opacity and fitting times, and makes removal easier at end of life.

- SOLVENT, LATEX and UV
 - Acrylic removable adhesive
 - Two-sided PE coated Staflat liner
 - Fire rated EN13501-1
 - Width of 1370mm
 - Available in standard roll lengths of 45M and 'buy the metre'
-



Two fire rated non-woven pasteable and pre-pasted wallpapers for interior decoration.

- Fire rated EN13501-1
- Non PVC product

2515 Pre-Pasted

A pre-pasted 230gsm satin opaque fire rated wallpaper.

Smooth, non-woven wallpaper that is fire rated, PVC free and comes pre-pasted for ease of use.

It dries quickly and needs no lamination, all you have to do is print, trim and wet the back to apply.

It has high opacity, excellent dimensional stability and wet strength resistance.

The coating is quick drying and water-resistant, so no need for additional lamination.

The non-woven substrate is PVC free and has very good dimensional stability, making it ideal for butt joints on tiled images.

- SOLVENT, LATEX and UV
- Pre-pasted
- Fire rated EN13501-1
- Widths of 1067mm and 1372mm
- Available in standard roll lengths of 51M and 'buy the metre'

2512

A 195gsm matt white opaque fire rated wallpaper.

High quality, matt non-woven smooth and quick drying wallpaper with good scratch resistance.

No additional protection is needed and it can be hung with standard non-woven wallpaper paste.

PVC free and FSC® certified.

- SOLVENT, LATEX and UV
- Fire rated EN13501-1
- Width of 1372mm
- Available in standard roll lengths of 51M and 'buy the metre'





WallVision TSWT14 Textured

A 350µ textured PVC coated, non-woven, fire rated pasteable wallpaper.

When pasting, a standard or heavy-duty starch based paste may be used.

Lamination is not recommended and all the surfaces are scuff resistant and can be washed carefully with a damp cloth and mild detergent.

- SOLVENT, LATEX and UV
- Fire rated EN13501-1
- Width of 1300mm
- Available in standard roll lengths of 50M and 'buy the metre'



DEKORA

A fire rated self adhesive repositionable fabric with a dark grey coverall repositionable and removable adhesive.

Its dark backing offers opacity levels greater than 99%.

The material is resistant to temperature and humidity fluctuations and is suitable for long term use indoors and short term outdoor use.

- SOLVENT, LATEX and UV
- Fire rated EN13501-1
- Width of 1370mm
- Available in standard roll lengths of 30M and 'buy the metre'
- Non PVC product





TSPT15 Gecko Opaque

A self adhesive repositionable fabric with a dark grey coverall reverse side.

Its dark backing offers opacity levels greater than 99%.

Repositionable and removable adhesive.

The material is resistant to temperature and humidity fluctuations and is suitable for long term use indoors and short term outdoor use.

- SOLVENT, LATEX and UV
- Fire rated NF P92-501 M1
- Width of 1372mm
- Available in standard roll lengths of 35M and 'buy the metre'
- Non PVC product



PrintDot

100µ monomeric PVC films in 3 distinct finishes, all with repositionable acrylic adhesives in a dot pattern.

For short term general purpose advertising and promotions such as trade shows and discount campaigns.

The dot patterned adhesive makes application and any repositioning straightforward and trouble free, even for less experienced users.

The product is recommended for simple flat-sided applications.

- SOLVENT, LATEX and UV
- 1D monomeric
- 120gsm kraft liner
- Width of 1372mm
- Available in standard roll lengths of 50M and 'buy the metre'

PrintDot Matt White

100µ matt white monomeric PVC with a repositionable acrylic adhesive in a dot pattern.

PrintDot Matt Clear

100µ matt clear monomeric PVC with a repositionable acrylic adhesive in a dot pattern.

PrintDot Gloss Clear

100µ gloss clear monomeric PVC with a repositionable acrylic adhesive in a dot pattern.





Printable vinyls for short and longer-term flooring campaigns.

StreetRap is the more durable product. Dot Floor is a one part product for shorter promotional campaigns.

- SOLVENT, LATEX and UV
- 1D
- Fire rated EN13501-1
- Width of 1370mm
- Available in standard roll lengths of 25M and 'buy the metre'

StreetRap

85µ white matt vinyl with a very aggressive permanent adhesive and a 3 month outdoor life for pedestrian traffic when laminated with FloorGrip.

6 months outdoors can be achieved by laminating with StreetLam.

StreetRap was designed for application to slightly rough pedestrian surfaces like concrete and asphalt.

- External life of 3-6 months
- Solvent permanent high tack acrylic adhesive
- 150gsm backprinted PE coated liner

Recommended laminates: Either Mactac's FloorGrip or Mactac's StreetLam can be added dependent on the application.

JT 8300 WM-RT Dot Floor

200µ one-part white matt vinyl with Mactac's 'Dot' adhesive that makes the film easy to install as no specialist tools or water are needed during application, with good adhesion on smooth surfaces.

1 month indoor life for pedestrian traffic.

Slip rated with a Pendulum Test Value of greater than 36, which is low slip potential.

- Internal life of 1 month
- 'DOT' removable transparent acrylic adhesive
- 120gsm backprinted kraft liner
- Slip rated EN13036-4 PTV rated 36+





A range of laminated and coated frontlit scrim banners that will satisfy most needs.
Wound print side facing out.

EF440

A 440gsm economy smooth matt scrim PVC banner.

This laminated frontlit scrim banner is available in a bright white finish with a backing that can be taped with our Bannerbond GM740 double-sided tape, welded or stitched.

A medium strength banner with a tensile strength of 645/732 N/5cm and with a tear strength of 63/48 N so may not be suitable for across-the-street applications with large sail areas.

For these type of applications where wind resistance is a major issue we would recommend our strongest banner PF550.

- SOLVENT, LATEX and UV
- Widths of 1100mm, 1370mm and 1600mm
- Available in standard roll lengths of 30M and 'buy the metre'

EF500

A 500gsm economy smooth matt scrim laminated frontlit PVC banner in a nice neutral white shade.

It offers great value for money and has the smoothest face of all our laminated scrim banners.

It can be taped with our Bannerbond GM740 double-sided tape, welded or stitched.

EF500 is a medium strength banner with a tensile strength of 645/732 N/5cm and with a tear strength of 105/194 N so may not be suitable for across-the-street applications with large sail areas.

For these type of applications where wind resistance is a major issue we would recommend our strongest banner PF550.

- SOLVENT, LATEX and UV
- Widths of 1100mm, 1370mm and 1600mm
- Available in standard roll lengths of 30M and 'buy the metre'

PF550

A 550gsm coated and fire rated smooth matt scrim PVC banner.

If you are looking for a banner that hangs flat and is both strong and smooth then PF550 is the product to look at. This coated frontlit scrim PVC banner can be taped with our Bannerbond GM740 double-sided taped, welded or stitched.

It is a brilliant white shade and is the strongest banner in our range.

The tensile strength is 2,500/2,500 N/5cm and tear strength is 250/250 N.

The scrim pattern is very tight which makes the surface very smooth to print on whilst retaining its strength.

Print quality is superb and this coated banner hangs flatter than any of the other scrim reinforced banners in our range.

- SOLVENT, LATEX and UV
- Fire rated DIN 4102-1 B1
- Widths of 1100mm, 1370mm and 1600mm
- Available in standard roll lengths of 30M and 'buy the metre'

MESH300

B1 fire rated.

This 300gsm mesh has an easy to remove release liner that allows the product to be printed on all Solvent printers.

The 25% hole to 75% film configuration helps make this mesh better for longer viewing distances.

This warp knitted fabric has a high tensile strength of 1,658/1,546 N/2.5cm and a high tear strength of 214/168 N.

It can be welded or stitched.

- SOLVENT, LATEX and UV
- Fire rated DIN 4102-1 B1
- Widths of 1370mm and 1600mm
- Available in standard roll lengths of 30M and 'buy the metre'

Papers

A range of indoor and outdoor papers.

siHL 3454

Bright white, thick 240gsm PE coated glossy photo paper for optimal stiffness with a coating for improved drying. The structure of both the base material and the coating ensure a robust surface for long-lasting interior use, even without lamination.

- SOLVENT, LATEX and UV
- Width of 1372mm
- Available in standard roll lengths of 30M and 'buy the metre'
- Non PVC product



TSSP225

225gsm photo satin indoor paper. The base paper is sourced from certified managed forests.

- SOLVENT, LATEX and UV
- Widths of 1372mm and 1524mm
- Available in standard roll lengths of 30M and 'buy the metre'
- Non PVC product



siHL 3687 TriSolv

TriSolv Billboard Paper Plus is a 130gsm blue backed opaque satin outdoor poster paper designed to prevent show-through of previous posters.

This cover-all paper has excellent wet strength properties and will typically last 2-3 months outdoors unlaminated. Our recommended DigiGUARD laminates will dramatically extend this life. Like the other poster papers, drying times may be slower than on a standard vinyl.

Prints on this material should be soaked for up to 24 hours in water to avoid the prints from shrinking or swelling when in-situ.

A standard or heavy-duty starch based paste may be used.

We also stock a self-adhesive version of this called Sihl 3683.

The base paper is sourced from certified managed forests.

- SOLVENT, LATEX, UV
 - Widths of 1372mm and 1600mm
 - Available in standard roll lengths of 61M and 'buy the metre'
 - Non PVC product
-



siHL 3686 TriSolv

TriSolv PrimeArt is a 200gsm gloss outdoor poster paper and our best-selling and premium poster paper.

With the highest most vibrant print quality, it can be used for internal applications that would once have been printed using a water based inkjet printer with the added bonus of superior water, scratch and fade resistance.

A Solvent print on the above poster paper will typically last for 2-3 months outdoors unlaminated.

Lamination will dramatically extend the image life.

Drying times on the poster papers are sometimes slower than our self-adhesive vinyl so take care when handling straight after printing.

Let the prints dry for at least a couple of hours before finishing them.

A forced air dryer such as a fan heater can be used to speed up drying times if required.

The base paper is sourced from certified managed forests.

- SOLVENT, LATEX and UV
- Widths of 1270mm, 1372mm and 1600mm
- Available in standard roll lengths of 50M and 'buy the metre'
- Non PVC product

siHL 3689 TriSolv

TriSolv Poster Paper Plus is a 130gsm satin white outdoor poster paper.

It is a very opaque, barrier coated satin white poster paper that has excellent wet strength properties, which allow it to be used as an outdoor poster paper.

Its resistance to temperature and humidity also allows it to be used in environments with high humidity and extreme temperature variations.

A solvent print on the above poster paper will typically last for 2-3 months outdoors unlaminated.

Lamination will dramatically extend the image life.

Drying times on the poster papers are sometimes slower than our self-adhesive vinyl so take care when handling straight after printing.

Let the prints dry for at least a couple of hours before finishing them.

A forced air dryer such as a fan heater can be used to speed up drying times if required.

The base paper is sourced from certified managed forests.

- SOLVENT, LATEX and UV
- Widths of 1372mm and 1600mm
- Available in standard roll lengths of 61M and 'buy the metre'
- Non PVC product

siHL 3699 TriSolv

TriSolv PhotoArt is a 210gsm glossy outdoor poster paper offering brilliant colour reproduction, homogeneous gloss, and improved drying times.

It features a water-repellent surface and has a high degree of stiffness.

A solvent print on the above poster paper will typically last for 2-3 months outdoors unlaminated.

- SOLVENT, LATEX and UV
- Width of 1372mm
- Available in standard roll lengths of 45M and 'buy the metre'
- Non PVC product

Display Films

We feature a number of different constructions offering different performance levels covering a range of price points.



DISPLAYFAB

A 280μ non-PVC thick matt white polyester fabric with an opaque silver/grey back light-stop for roll-up displays. The printed product hangs flat with minimum edge curl and has a scuff resistant surface.

- SOLVENT, LATEX and UV
- Width of 914mm
- Available in standard roll lengths of 30M and 'buy the metre'
- Profiled for HP Latex Inks
- Non PVC product



DISPLAY301

A 300μ textured white PVC/PET hybrid film with a dark grey light stop for roll-up displays. The printed product hangs flat with minimum edge curl and has a scuff resistant surface.

- SOLVENT, LATEX and UV
- Widths of 914mm, 1067mm, 1370mm and 1520mm
- Available in standard roll lengths of 30M, 50M and 'buy the metre'
- Made in the UK



DISPLAY501

A 500μ textured white PVC/PET hybrid film with a dark grey light stop for pop-up displays. The printed product hangs flat with minimum edge curl and has a scuff resistant surface.

- SOLVENT and UV
- Width of 914mm and 1067mm
- Available in standard roll lengths of 30M and 'buy the metre'
- Made in the UK



Display Films

sihl 3629 SyntiSOL

170μ satin white PP film with a waterproof coating.

This lightweight semi opaque film has a paper like appearance with excellent durability and tear resistance.

Can be used for roll-ups and many other applications.

- SOLVENT, LATEX and UV
 - Width of 1372mm
 - Available in standard roll lengths of 40M and 'buy the metre'
 - Non PVC product
-



Display Films



V-Flat Double 320

B2 fire rated, a 320μ / 510gsm ultra smooth double-sided anti-curl block out PVC banner with white backing. It has a polyester layer encapsulated by PVC which gives the product a stiff feel and ensures it hangs flat with no edge curl to detract from the finished roll-up.

It fits well into all banner stands and has a super smooth surface with good scuff resistance.

For roll-up banner stands, we would recommend that the product is laid out flat to dry for around 4 hours to ensure that all solvents are evaporated. The panel can then be trimmed and inserted into the banner stand. This will ensure that the finished drop lies as flat as possible with this one piece solution.

We cannot slit this product.

- SOLVENT and UV
- Fire rated DIN 4102-1 B2
- Width of 914mm
- Available in standard roll lengths of 50M and 'buy the metre'



FCP200

200μ satin white, ferrous printable PET film. Use our special combination of 0.55mm MAGNETIC self-adhesive wall magnet vinyl and FCP200 ferrous print vinyl

to create mess-free, simple to place and replace 'quick change' interchangeable graphics for retail and Point Of Sale signs.

This printable polyester film has a ferrous coating on the back side that adheres to a magnetic substrate.

This allows a retail environment to have a permanent magnetic wall that can be updated with seasonal promotions by inexperienced fitters.

- SOLVENT, LATEX and UV
- Widths of 1372mm and 1600mm
- Available in standard roll lengths of 50M, and 'buy the metre'



Fabric Media

A range of both woven and lower cost knitted fabrics to cover most display applications.

KREA Royal Majestic 1025-11

Royal Majestic 1025-11 is a 220gsm woven fire rated 100% polyester display fabric canvas.

It is both water-tight and air-tight, with good flatness.

Available up to 3.2M wide, it is the ideal product for one-piece seamless wall graphics, as it is easy to paste, has good opacity and is robust to handle.

There is no need for time consuming joints and very little waste is generated making it far quicker and easier to fit than a self-adhesive vinyl option.

Also used for stretched canvas, art reproduction prints, roll-up displays and frontlit banners.

This product can be cold cut or hot cut.

- SOLVENT, LATEX and UV
- Fire rated DIN 4102-1 B1
- Widths of 1550mm and 3200mm
- Available in standard roll lengths of 50M and 'buy the metre'

KREA Speedy 911-11

Speedy 911-11 is a 180gsm woven fire rated polyester fabric for both frontlit and backlit tension display frames.

For printing with Dye-dispersion, UV and Latex inks.

It is a water-resistant, fire rated, crease-free, water-tight and air-tight fabric, and has good flatness.

Speedy 911-11 may work on your Solvent printer if you self-test the media and are subsequently satisfied with your results.

This product can be cold cut.

For Dye-sublimation printing use the outside face of the roll.

- LATEX, UV and DYE-DISPERSION
- Fire rated DIN 4102-1 B1
- Widths of 1600mm and 3200mm
- Available in standard roll lengths of 50M, 100M and 'buy the metre'

KREA Blackback Soft 1056-16

Blackback Soft 1056-16 is a 240gsm woven black backed single-side coated 100% polyester fabric with a black backing.

The black on the reverse gives maximum opacity but does not dull down the white print face, leaving the finished graphic vibrant and punchy.

Available up to 3.2M wide, it can be used for suspended banners, displays, frontlit banners, blackout banners, roll-ups and stage sets.

- SOLVENT, LATEX and UV
- Fire rated DIN 4102-1 B1
- Widths of 1600mm, 2600mm and 3200mm
- Available in standard roll lengths of 50M and 'buy the metre'

SIHL 3609 Picasso

Picasso Canvas Prime Satin dries quickly and can be folded over frames without cracking.

1:1 weave polycotton blend with outstanding print quality.

Ideal for long term internal projects whilst also offering better than normal water resistance.

Lamination is not recommended.

The canvas can become brittle below room temperature so if working in colder conditions then handle the product very carefully when stretching and folding over wooden frames.

For internal use only.

This product can be cold cut.

- SOLVENT, LATEX and UV
- Widths of 914mm, 1372mm and 1524mm
- Available in standard roll lengths of 15M and 'buy the metre'

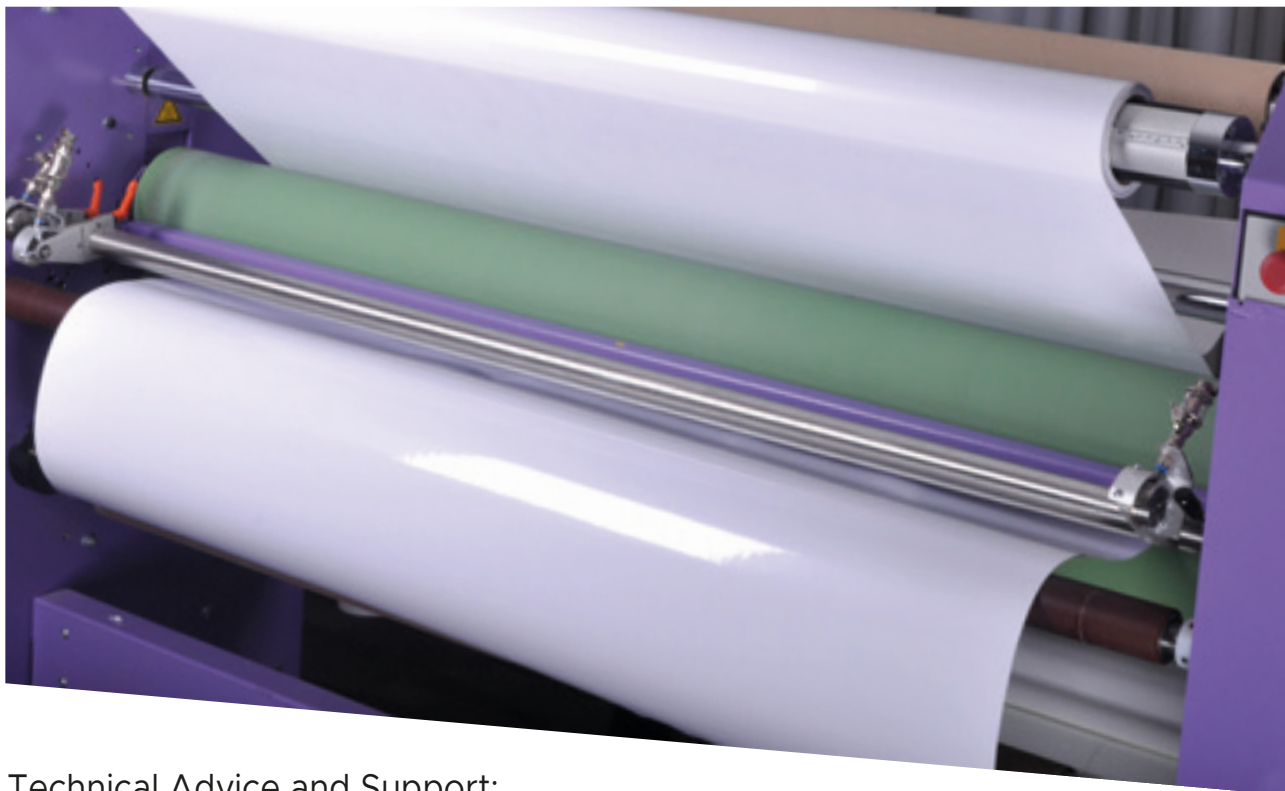
Finishing Media - Introduction

Nearly all these products in our print finishing range can be purchased 'buy the metre' allowing you to buy only what you need for specific jobs, especially important for the higher value and specialised laminates.

This does not include the DigiMOUNT range of self wound mount films for practical reasons!

As well as the DigiGUARD laminates and DigiMOUNT mounting films we have sold for years, we also offer the extensive range of Mactac, Avery Dennison and NU-COAT laminates and mounts.

Our in-house application centre features a TS 1600 laminator to help us better understand the issues you face and ensure that all the products are thoroughly researched before release.



Technical Advice and Support:

For technical advice or support on how to get the best out of your laminator and our media, call our sales offices on:

01753 696977 for the Southern Office, or

01709 829800 for the Northern Office, or

email sales@allprint.co.uk



Buy The Metre:

Non-standard roll lengths are surcharged at 33%

Flat Surfaces Short Term



Guardian PropLam Laminates

For customers looking for a non-PVC range of short-term laminates.

The Guardian PropLam range are engineered from 60µ polypropylene and are also suitable for UV inks.

Available in both gloss and matt finishes and wound face in.

- SOLVENT, LATEX and UV
- 1D polypropylene
- External life of 1 year
- Acrylic permanent adhesive
- 65gsm glassine liner
- Width of 1370mm
- Available in standard roll lengths of 50M and 'buy the metre'
- Non PVC product

PropLam Gloss

A gloss 60µ non-PVC laminate for most print technologies including UV.

PropLam Matt

A matt 60µ non-PVC laminate for most print technologies including UV.



Flat Surfaces Mid Term

DigiGUARD Laminates for UV

The photograde clear solvent acrylic adhesive guarantees a high bond with minimal silvering and bridging around heavily UV inked areas.

Suitable for UV inks as well as Solvent, Aqueous and Latex inks means that the DigiGUARD UV laminates can be used universally.

A range of 3-5 year outdoor life, 80µ colour neutral PVC pressure sensitive laminating films that will successfully block out 70% of UVa light, significantly extending the colourfastness of the finished print.

- SOLVENT, LATEX, UV and AQUEOUS
- 1D monomeric

GU4 Gloss

A gloss 80µ PVC laminate suitable for all inks including UV.

Will successfully block out over 50% of UVa light, significantly extending the colourfastness of the finished print.

- External life of 4 years
- Acrylic permanent adhesive
- 140gsm kraft liner
- Self-extinguishing
- Widths of 1370mm and 1600mm
- Available in standard roll lengths of 50M and 'buy the metre'

MU4 Matt

A matt 100µ PVC laminate suitable for all inks including UV.

Will successfully block out over 50% of UVa light, significantly extending the colourfastness of the finished print.

- External life of 4 years
- Acrylic permanent adhesive
- 140gsm kraft liner
- Self-extinguishing
- Widths of 1370mm and 1600mm
- Available in standard roll lengths of 50M and 'buy the metre'

SU3-70 Semi-matt

A semi-matt 80µ PVC laminate for UV prints.

- External life of 3-5 years
- Solvent permanent acrylic adhesive
- 80gsm single-side PE coated liner
- Fire rated BS 476 Class 0
- Widths of 1350mm and 1560mm
- Available in standard roll lengths of 50M, 100M and 'buy the metre'

TU3-70 Matt Textured

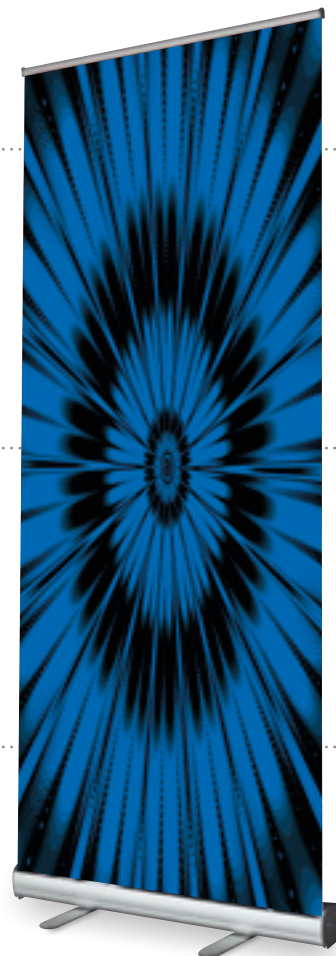
A matt textured scratch resist 80µ PVC laminate for UV prints.

- External life of 3-5 years
- Solvent permanent acrylic adhesive
- 80gsm single-side PE coated liner
- Fire rated BS 476 Class 0
- Widths of 1350mm and 1560mm
- Available in standard roll lengths of 50M, 100M and 'buy the metre'

GU3-70 Ultra Gloss

An ultra glossy 80µ PVC laminate for UV prints.

- External life of 3-5 years
 - Solvent permanent acrylic adhesive
 - 80gsm single-side PE coated liner
 - Fire rated BS 476 Class 0
 - Widths of 1350mm and 1560mm
 - Available in standard roll lengths of 50M, 100M and 'buy the metre'
-



Flat Surfaces Mid Term

mactac Monomeric Laminates

A complete range of monomeric pressure sensitive laminates that cover short to mid term flat-sided applications. Products with 'UV' have improved adhesion to digital UV prints. Additionally, LF 8510 CS PP provides a PVC-free option.

- 1D monomeric

LF 8500 CM

Mactac LF 8500 CM (Printcover 898 matt) is their most economical matt laminate.

- SOLVENT, LATEX and AQUEOUS
- External life of 2 years
- Acrylic permanent adhesive
- 100gsm backprinted kraft liner
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm and 1600mm
- Available in standard roll lengths of 50M and 'buy the metre'

LF 8500 CG

Mactac LF 8500 CG (Printcover 899 gloss) is their most economical gloss laminate.

- SOLVENT, LATEX and AQUEOUS
- External life of 2 years
- Acrylic permanent adhesive
- 100gsm backprinted kraft liner
- Fire rated EN13501-1
- Widths of 1370mm and 1600mm
- Available in standard roll lengths of 50M and 'buy the metre'

LF 8510 CS PP

Mactac LF 8510 CS PP is a PVC-free, 60µ polypropylene non conformable film for flat sided applications only.

- SOLVENT, LATEX and UV
- External life of 3 years
- Acrylic permanent adhesive
- 100gsm backprinted kraft liner
- Fire rated EN13501-1
- Width of 1370mm
- Available in standard roll lengths of 50M and 'buy the metre'
- Non PVC product



Flat Surfaces Mid Term

PG 7285 Matt

Mactac PG 7285 is one of their longest serving laminates. This 70µ matt clear PVC laminate has a 4 year outdoor life.

- SOLVENT, LATEX and AQUEOUS
- External life of 4 years
- Solvent permanent acrylic adhesive
- 80gsm backprinted yellow kraft liner
- Fire rated EN13501-1
- Width of 1370mm
- Available in standard roll lengths of 50M and 'buy the metre'

LF 8700 CM-UV

An 80µ matt monomeric laminate with a 4 year outdoor life that works on all prints including UV (LUV 3898).

- SOLVENT, LATEX, UV and AQUEOUS
- External life of 4 years
- Acrylic permanent adhesive
- 100gsm backprinted kraft liner
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm and 1524mm
- Available in standard roll lengths of 50M and 'buy the metre'

LF 8700 CG-UV

LF8700 CG-UV is an 80µ gloss monomeric laminate with a 4 year outdoor life that works on all prints including UV (LUV 3899).

- SOLVENT, LATEX, UV and AQUEOUS
- External life of 4 years
- Acrylic permanent adhesive
- 100gsm backprinted kraft liner
- Fire rated EN13501-1 and BS 476 Class 0
- Widths of 1370mm and 1524mm
- Available in standard roll lengths of 50M and 'buy the metre'



Flat Surfaces Mid Term



DOL 3000 Series

A range of monomeric pressure sensitive laminates to cover short to mid term flat-sided applications. These are the matched laminates for the MPI 3000 print vinyls.

- SOLVENT, LATEX and AQUEOUS
- 1D monomeric
- External life of 2 years
- Acrylic permanent adhesive
- 95gsm backprinted kraft liner
- Fire rated EN13501-1
- Available in standard roll lengths of 50M and 'buy the metre'

DOL 3460 Gloss

80μ gloss monomeric laminate with a 2 year outdoor life.

- Widths of 1370mm, 1600mm and 2000mm

DOL 3480 Matt

80μ matt monomeric laminate with a 2 year outdoor life.

- Widths of 1370mm and 1600mm

DOL 3470 Lustre

80μ lustre monomeric laminate with a 2 year outdoor life.

- Widths of 1370mm and 1600mm
-



Flat Surfaces Mid Term

NU-COAT Nu-Finish 'O' Series

Non PVC pressure sensitive laminate to cover short to mid term flat-sided applications. These are the matched laminates for the Nu-Print 'O' Series printable PP films.

- SOLVENT, LATEX, UV and AQUEOUS
- 1D polypropylene
- External life of 4 years
- Permanent clear UV polyacrylate adhesive
- 140gsm backprinted PE coated liner
- Fire rated EN13501-1
- Width of 1370mm
- Available in standard roll lengths of 50M and 'buy the metre'
- Made in the UK
- Non PVC product

O21-P-P

A 60µ gloss clear 4 year outdoor life fire rated polypropylene with a permanent UV laminating adhesive on a 140gsm neutral PE liner for short to mid term flat-sided applications.



Curved Surfaces Long Term

mactac Polymeric Laminates

A complete range of fire rated polymeric pressure sensitive laminates for applications to curved surfaces. Products with the '-UV' suffix have improved adhesion to digital UV prints.

- 2D polymeric
- External life of 5 years
- Solvent permanent acrylic adhesive
- 100gsm backprinted kraft liner
- Fire rated EN13501-1
- Available in standard roll lengths of 50M and 'buy the metre'

LF 9500 CM-UV

LF 9500 CM-UV (PolyCover 998 Matt) is a 65µ matt polymeric laminate with a 5 year outdoor life.

- SOLVENT, LATEX, UV and AQUEOUS
- Widths of 1370mm and 1600mm

LF 9500 CG-UV

LF 9500 CG-UV (PolyCover 999 Gloss) is a 65µ gloss polymeric laminate with a 5 year outdoor life.

- SOLVENT, LATEX, UV and AQUEOUS
- Widths of 1370mm and 1600mm

LF 9700 CM-UV

LF 9700 CM-UV (LUV 3998 Matt) is an 80µ matt polymeric laminate with a 5 year outdoor life that works on all prints including UV. Mactac's most UV resistant matt PVC laminate.

- SOLVENT, LATEX, UV and AQUEOUS
- Widths of 1370mm and 1524mm

LF 9700 CG-UV

LF 9700 CG-UV (LUV 3999 Gloss) is an 80µ gloss polymeric laminate with a 5 year outdoor life that works on all prints including UV. Mactac's most UV resistant gloss PVC laminate.

- SOLVENT, LATEX, UV and AQUEOUS
- Widths of 1370mm and 1524mm



Curved Surfaces Long Term



DOL 2000 Series

A range of polymeric pressure sensitive laminates to cover mid to long term curved applications.

The DOL 2000 Series are the matched laminates for the MPI 2000 print vinyls.

- SOLVENT, LATEX and AQUEOUS
- 2D polymeric
- Acrylic permanent adhesive
- Fire rated EN13501-1
- Available in standard roll lengths of 50M and 'buy the metre'

DOL 2460 Gloss

80μ gloss polymeric laminate, DOL2460 now has a 5 year outdoor life and a heavier and smoother liner.

- External life of 5 years
- 135gsm backprinted kraft liner
- Widths of 1370mm and 1600mm

DOL 2480 Matt

80μ matt polymeric laminate, DOL2480 now has a 5 year outdoor life and a heavier and smoother liner.

- External life of 5 years
- 135gsm backprinted kraft liner
- Widths of 1370mm and 1600mm

DOL 2470 Lustre

80μ lustre polymeric laminate, DOL2470 now has a 5 year outdoor life and a heavier and smoother liner.

- External life of 5 years
 - 135gsm backprinted kraft liner
 - Widths of 1370mm and 1520mm
-

Wrapping Long Term

Cast Laminates

A number of cast pressure sensitive laminates primarily for vehicle wrapping.

- 3D cast
- Solvent permanent acrylic adhesive



FEDRIGONI
SELF-ADHESIVES

C30 Ultimate

C30 Ultimate gloss is a 30μ fully conformable clear gloss cast laminate, with a permanent adhesive for 3D wrapping and deep profiles. Its superior flexibility allows for application on rivets, concave and convex area surfaces.

The permanent solvent-based adhesive adheres to vinyl printed with Solvent, Latex and UV inks.

This is the recommended laminate for Fedrigoni's C50 Ultimate Slide & Tack cast wrapping film.

- **SOLVENT**, **LATEX** and **UV**
- 3D cast
- External life of 6 years
- Solvent permanent acrylic adhesive
- 135gsm backprinted kraft liner
- Widths of 1370mm and 1520mm
- Available in standard roll lengths of 23M, 46M and 'buy the metre'



Wrapping Long Term



DOL 1460 Z Gloss

DOL 1460 Z gloss has recently been upgraded to 6 years outdoors.

A 30μ fully conformable gloss cast laminate, with a permanent adhesive for 3D wrapping and deep profiles.

DOL 1460 Z can be used in combination with Avery Dennison MPI 1104 EA, MPI 1105 EA RS and MPI 1106 HT cast media.

- SOLVENT and LATEX
 - External life of 6 years
 - 130gsm backprinted kraft liner
 - Fire rated EN13501-1
 - Widths of 1370mm and 1520mm
 - Available in standard roll lengths of 25M, 50M and 'buy the metre'
-



DOL 1480 Z Matt

DOL 1480 Z matt has recently been upgraded to 6 years outdoors.

A 30μ fully conformable matt cast laminate, with a permanent adhesive for 3D wrapping and deep profiles.

DOL 1480 Z can be used in combination with Avery Dennison MPI 1104 EA, MPI 1105 EA RS and MPI 1106 HT cast media.

- SOLVENT and LATEX
 - External life of 6 years
 - 130gsm backprinted kraft liner
 - Fire rated EN13501-1
 - Widths of 1370mm and 1520mm
 - Available in standard roll lengths of 25M, 50M and 'buy the metre'
-



Wrapping Long Term

mactac[®] LF 10700 CG-UV

LF 10700 CG-UV (CastLAM Gloss) is a 30μ ultra clear gloss conformable cast PVC with a 4 year life.

This 3D laminate was designed primarily for car wrapping.

LF 10700 CG-UV (CastLAM Gloss) is part of the LUV range of products which have been specifically designed for the protection of digital UV prints. It is also compatible with other standard digital printing techniques.

- SOLVENT, LATEX and UV
 - External life of 4 years
 - 135gsm backprinted kraft liner
 - Fire rated EN13501-1
 - Width of 1370mm
 - Available in standard roll lengths of 50M and 'buy the metre'
-

mactac[®] LF 10700 CM-UV

LF 10700 CM-UV (CastLAM Matt) is a 30μ ultra clear matt conformable cast PVC with a 4 year life.

This 3D laminate was designed primarily for car wrapping.

- SOLVENT, LATEX and UV
 - External life of 4 years
 - 135gsm backprinted kraft liner
 - Fire rated EN13501-1
 - Width of 1370mm
 - Available in standard roll lengths of 50M and 'buy the metre'
-



Anti-Graffiti Laminates

A number of pressure sensitive laminates primarily for protecting prints against damage and graffiti. Due to the durability of the polymers used graffiti can be easily removed with the help of common cleaning agents.

It is the responsibility of the end user to test that their particular cleaning agent is compatible with the laminate used.



AGU-30 Gloss

50µ easy to handle polypropylene film.

AGU-30 is our lowest cost anti-graffiti film and will help to protect your prints from damage by graffiti for up to 1 year outdoors.

It is resistant to most common cleaning solvents and is only suitable for flat-sided applications on to printed materials, it is not suitable for protecting vinyl cut lettering.

It can be used as a low cost dry-wipe laminate but inks may stain the surface, especially if repeatedly cleaned.

For critical dry-wipe applications we would recommend T26-P.

- SOLVENT, LATEX and UV
- 1D polypropylene
- External life of 1 year
- Solvent permanent acrylic adhesive
- 80gsm single-side PE coated liner
- Widths of 1370mm and 1550mm
- Available in standard roll lengths of 50M and 'buy the metre'
- Non PVC product



PG 7034 Gloss

A 30µ gloss clear polypropylene film on a 36µ clear polyester liner that can be used as dry-wipe film with appropriate marker pens, or as an internal low cost anti-graffiti film.

- SOLVENT and LATEX
 - 1D polypropylene
 - Internal use only
 - Solvent permanent acrylic adhesive
 - Clear PET liner
 - Width of 1300mm
 - Available in standard roll lengths of 100M and 'buy the metre'
 - Non PVC product
-

Anti-Graffiti

mactac LUV 7036 Gloss

36µ gloss optically clear polyester fire rated anti-graffiti film on a 36µ clear polyester liner.

LUV 7036 is suitable as a laminate across all print technologies including UV.

With an outdoor life of up to 3 years, LUV 7036 high quality polyester can protect your prints against permanent damage from graffiti paints.

Graffiti can be easily removed with the help of common solvents such as acetone, methanol etc.

- SOLVENT, LATEX and UV
 - 1D polyester
 - External life of 3 years
 - Solvent permanent acrylic adhesive
 - Clear PET liner
 - Fire rated EN13501-1
 - Widths of 1370mm and 1524mm
 - Available in standard roll lengths of 50M and 'buy the metre'
 - Non PVC product
-



NU-COAT T25-P-P Ultra Clear Matt

Our most scratch and oil resistant laminate.

T25-P-P ultra clear matt polyester does not dull down prints, leaving even dense black prints looking sharp and vibrant.

It features a tough matt hard coat that resists scratches and reduces fingerprinting.

T25-P-P ultra clear matt polyester has a permanent adhesive that works with all print technologies including UV.

It is suitable for flat surfaces and is resistant to most common cleaning solvents.

30% UVa block.

- SOLVENT, LATEX and UV
 - 1D polyester
 - External life of 3 years
 - Permanent clear UV polyacrylate adhesive
 - 140gsm PE coated liner
 - Widths of 1370mm and 1530mm
 - Available in standard roll lengths of 25M, 50M and 'buy the metre'
 - Made in the UK
 - Non PVC product
-

NU-COAT T27-P-P Satin

This satin clear 3 year laminate will deter graffiti artists from vandalising your graphics.

When the paint dries, areas can be easily scraped off with a plastic edged squeegee and any residue removed with proprietary graffiti remover.

T27-P-P paint and scratch resist anti-graffiti polyester has a permanent adhesive that works with all print technologies including UV.

It is suitable for flat surfaces and is resistant to most common cleaning solvents.

30% UVa block.

- SOLVENT, LATEX and UV
 - 1D polyester
 - External life of 3 years
 - Permanent clear UV polyacrylate adhesive
 - 140gsm PE coated liner
 - Widths of 1370mm and 1530mm
 - Available in standard roll lengths of 25M, 50M and 'buy the metre'
 - Made in the UK
 - Non PVC product
-



Dry-Wipe Laminates

Pressure sensitive laminates primarily for wipeboard films.

NU-COAT T26-P-P Gloss Clear

A 3 year clear wipe-board film for write on / wipe-off and anti-graffiti applications.

This 50µ gloss clear polyester film has been coated with a gloss varnish to make it easy to keep clean.

It works with all dry-wipe pens we have tested, including: Staedtler, Pilot, Nobo, 5 Star Office and Universal Office Supplies range without leaving any trace of the ink on the surface when cleaned.

For best results, the product should be applied dry using a laminator.

The adhesive does not milk, so for smaller jobs it can be applied wet.

20% UVa block.

Our closest competitors product takes more effort to wipe residual ink marks from the surface and still does not completely remove all of the residual markings; resulting in ghosted images and a build up of unwanted ink residues on the surface, especially when used over a period of time.

Our specially treated surface provides a one wipe solution resulting in no ghosted images or ink residues left behind- the surface is completely clean again after only a few effortless wipes.

After testing in-house we have found T26-P-P Gloss is a much more durable product producing a cleaner, quicker and longer lasting result.

- SOLVENT, LATEX and UV
- 1D polyester
- External life of 3 years
- Permanent clear UV polyacrylate adhesive
- 140gsm PE coated liner
- Widths of 1370mm and 1530mm
- Available in standard roll lengths of 25M, 50M and 'buy the metre'
- Made in the UK
- Non PVC product



NU-COAT T28-P-P Gloss White

A 3 year gloss white wipe-board film for write on / wipe-off and anti-graffiti applications.

This 150µ gloss polyester/PVC hybrid film has been coated with a gloss varnish to make it easy to keep clean.

It works with all dry-wipe pens we have tested, including: Staedtler, Pilot, Nobo, 5 Star Office and Universal Office Supplies range without leaving any trace of the ink on the surface when cleaned.

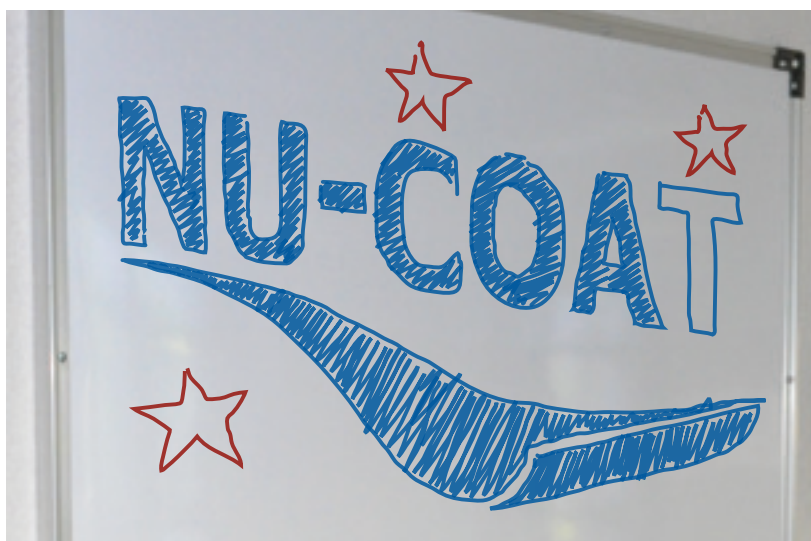
For best results, the product should be applied dry using a laminator.

Our closest competitors product takes more effort to wipe residual ink marks from the surface and still does not completely remove all of the residual markings; resulting in ghosted images and a build up of unwanted ink residues on the surface, especially when used over a period of time.

Our specially treated surface provides a one wipe solution resulting in no ghosted images or ink residues left behind- the surface is completely clean again after only a few effortless wipes.

After testing in-house we have found T28-P-P Gloss White is a much more durable product producing a cleaner, quicker and longer lasting result.

- SOLVENT, LATEX and UV
 - 1D polyester / PVC hybrid
 - External life of 3 years
 - Permanent clear UV polyacrylate adhesive
 - 140gsm PE coated liner
 - Widths of 1370mm and 1500mm
 - Available in standard roll lengths of 25M, 50M and 'buy the metre'
 - Made in the UK
-



Flooring

A complete range of laminates for all types of promotional floor graphics from 1-12 months internally and up to 6 months externally.

All are rated for this application, generally using the DIN 51130:2004-6 standard for shod feet or the harmonised European standard EN-13036-4:2011 which uses the Pendulum test to assess the floor's surface properties under both wet and dry conditions.

For a more detailed explanation of slip ratings please refer to page 175 in the Technical Information section.



Floortex FV4-65

100µ textured laminating PVC film for floor graphics.

Rated to DIN 51130 anti-slip group R9.

FV4-65 is one of our lower cost floor laminates and is suitable for internal applications with a service life of around 3 months dependent on traffic.

- SOLVENT, LATEX and UV
- Internal life of 3 months
- Acrylic permanent adhesive
- 65gsm kraft liner
- Fire rated DIN 4102-1 B1
- Widths of 1040mm and 1550mm
- Available in standard roll lengths of 10M, 50M and 'buy the metre'
- DIN 51130 rated R9



NU-COAT Floor10 M73-P

100µ textured laminating PVC film for floor graphics.

Rated to DIN 51130 anti-slip group R10.

Slip rated to DIN EN 13036-4 with a dry PTV of 78 and a wet PTV of 38 are borderline for external use.

Floor10 is suitable for internal applications with a service life of around 3 months dependent on traffic.

M73-P is often used as a scuff resistant laminate for printed wall graphics and is fire rated.

- SOLVENT, LATEX and UV
- 1D monomeric
- Internal life of 3 months
- PermPLUS permanent clear UV polyacrylate adhesive
- 135gsm backprinted kraft liner
- Fire rated EN13501-1
- Width of 1370mm
- Available in standard roll lengths of 25M, 50M and 'buy the metre'
- DIN 51130 slip rated R10

NU-COAT Floor11 M77-P

190µ textured laminating PVC film for floor graphics.

Slip rated to DIN EN 13036-4 with a dry PTV of 69 and a wet PTV of 42, equivalent to an R11 rating.

Floor11 is suitable for both internal and external applications with a service life of around 6 months internally and 3 months externally, dependent on traffic.

Floor11 can be used in external transitional areas that can occasionally be wet, such as entrances areas to shopping centres.

- SOLVENT, LATEX and UV
- 1D monomeric
- Internal life of 6 months, external 3 months
- PermPLUS permanent clear UV polyacrylate adhesive
- 135gsm backprinted kraft liner
- Self-extinguishing
- Width of 1370mm
- Available in standard roll lengths of 25M and 'buy the metre'
- EN-13036 rated R11 using Pendulum Test Method

For reference:

There is an illustrative graph on page 176 to show the recorded PTV's (Pendulum Test Values) / wear durability of Floor10 and Floor11 over a period of 13 months.





Floortex FV8-85

Primarily for the protection of floor graphics.

FV8-85 now has an R11 rating for slip resistance meaning it can be used in all public places including stairwells and the like. A copy of the test certificate is available on request.

The construction of FV8-85 gives it a high degree of UV blocking at 85%, helping to shield digital prints against the effects of UV as well as mechanical wear and tear.

The 200µ textured PVC face film is colour neutral so will not significantly alter the shades of the print being laminated.

FV8-85 is suitable for internal applications and has a service life of around 6 months, dependent on the amount of traffic involved.

- SOLVENT, LATEX and UV
 - Internal life of 6 months
 - Acrylic permanent adhesive
 - 65gsm kraft liner
 - Fire rated DIN 4102-1 B1
 - Width of 1300mm
 - Available in standard roll lengths of 10M, 50M and 'buy the metre'
 - DIN 51130 rated R11
-



mactac LUV 6301

100µ matt grain textured fire rated PVC, approved for slip resistance.

R9 slip rating (DIN 51130) as well as being approved ASTM Friction Test C-1028-2007 for slip resistance.

LUV 6301 features a high tack adhesive for adhesion to textured UV prints, the sandy structure helps enhance the print and eliminate glare. Internal durability up to three months.

LUV 6301 is now slip rated to DIN EN 13036-4 with a dry PTV of >96.

- SOLVENT, LATEX and UV
 - Internal life of 3 months
 - Solvent permanent acrylic adhesive
 - 100gsm backprinted kraft liner
 - Fire rated EN13501-1
 - Widths of 1050mm, 1370mm and 1524mm
 - Available in standard roll lengths of 50M and 'buy the metre'
 - DIN 51130 rated R9, DIN EN 13036-4 and ASTM C-1028-2007
-

mactac LUV 6400

125µ grain textured PP film for 3 months internal use. LUV adhesive is also suitable for laminating UV prints.

LUV 6400 is now slip rated to DIN EN 13036-4 with a dry PTV of >100 and a wet PTV of 25.

- SOLVENT, LATEX and UV
 - Internal life of 3 months
 - Solvent permanent acrylic adhesive
 - 100gsm backprinted kraft liner
 - Fire rated EN13501-1
 - Width of 1370mm
 - Available in standard roll lengths of 50M and 'buy the metre'
 - DIN EN 13036-4
 - Non PVC product
-



mactac LUV 6300

125µ grain textured PVC anti-slip laminate specially designed to protect indoor floors, offering an R9 slip rating (DIN 51130) as well as Pendulum Test approval (BS 7976-2:2002), and with an indoor durability of 6 months on floors.

LUV 6300 is now slip rated to DIN EN 13036-4 with a dry PTV of >100.

LUV 6300 is a semi-matt PVC film has a textured lustre finish that helps eliminate glare while providing a sophisticated look for promotions and advertising as well as protecting against abrasion from pedestrian traffic and moisture.

LUV adhesive is also suitable for laminating UV prints.

- SOLVENT, LATEX and UV
 - Internal life of 6 months
 - Solvent permanent acrylic adhesive
 - 100gsm backprinted kraft liner
 - Fire rated EN13501-1
 - Width of 1370mm
 - Available in standard roll lengths of 50M and 'buy the metre'
 - DIN 51130 rated R9 and DIN EN 13036-4
-



mactac FloorGrip

FloorGrip is designed for both outdoor and indoor applications with an R11 rating according to DIN 51130.

Fire rated 150µ matt structured polymeric PVC film, especially suitable for bitumen surfaces.

Expected outdoor life of 3 months, when used in combination with Mactac's StreetRap print media, the finished product conforms well to exterior uneven surfaces such as concrete pavement and bitumen.

This laminate is also our most durable for internal floor graphics with a 12 month internal warranted slip rating.

- SOLVENT, LATEX and UV
 - Internal life of 12 months, external 3 months
 - Solvent permanent acrylic adhesive
 - 135gsm backprinted kraft liner
 - Fire rated EN13501-1 and BS 476 Class 0
 - Width of 1370mm
 - Available in standard roll lengths of 25M and 'buy the metre'
 - DIN 51130 rated R11
-



mactac StreetLam

StreetLam is our highest rated flooring laminate.

This 385µ satin clear construction is made from abrasive particles which are bonded to a polymeric PVC and uses a high tack adhesive.

Protects StreetRap graphics for up to 6 months outdoors and to DIN 51130 anti-slip group R12.

It is rated as 'low slip potential' according to the BS 7976-2: 2002 Pendulum Test.

- SOLVENT, LATEX and UV
 - Solvent permanent acrylic adhesive
 - 135gsm backprinted kraft liner
 - Fire rated EN13501-1
 - Width of 1370mm
 - Available in standard roll lengths of 25M and 'buy the metre'
 - DIN 51130 rated R12
-



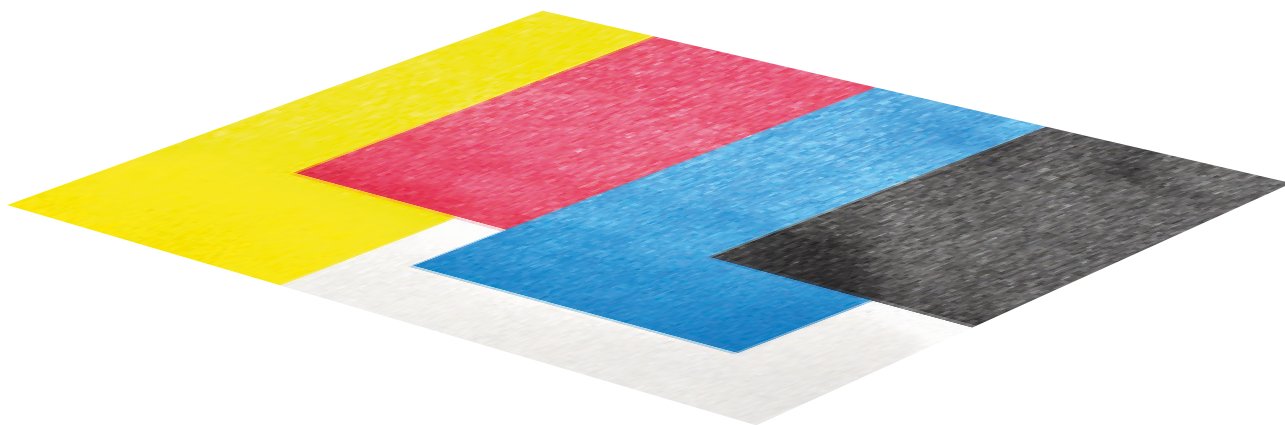
mactac PERMAfun Brushed Metal

PERMAfun Brushed Metal is a 100µ premium polymeric vinyl with a satin fine brush structure.

This film can be used indoor and outdoor as an overlaminating film to give your graphics that special silk like texture.

Designed for high profile applications over flat to slightly curved (convex) surfaces and to create unique effects for interior design, hotel decoration, retail etc.

- SOLVENT, LATEX and UV
 - External life of 5 years
 - 2D polymeric
 - Solvent permanent acrylic adhesive
 - 135gsm backprinted kraft liner
 - Fire rated EN13501-1
 - Width of 1370mm
 - Available in standard roll lengths of 50M and 'buy the metre'
-



DigiMOUNT

Mount films for different applications.

DigiMOUNT Three

Self-wound permanent mount film for both internal and external use.

Suitable for the mounting of prints on to substrates including foam PVC, ali composite material and MDF.

Consists of a double-sided adhesive with a clear 12µ polyester carrier on a special single-side coated release liner.

The DM3 adhesive is not clear enough for window applications where we would recommend our FilmMOUNT Two optically clear mount film.

- 1D
 - Acrylic permanent adhesive
 - Widths of 1040mm, 1300mm and 1540mm
 - Available in standard roll lengths of 100M
-

FilmMOUNT Two

Optically clear mount film for the mounting of inkjet prints onto a wide variety of substrates where adhesive clarity is paramount.

Optically clear double-sided adhesive with a 25µ clear polyester carrier on two polyester film release liners for maximum clarity.

The permanent adhesives are both photograde clear solvent acrylics.

FM2 is designed for premium applications.

Typically FM2 is used with inkjet media such as backlit films where image clarity needs to be preserved when the product is made self-adhesive.

- 1D
 - Solvent permanent acrylic adhesive
 - Clear PET liner
 - Widths of 1050mm, 1370mm and 1520mm
 - Available in standard roll lengths of 50M and 'buy the metre'
-

Mounting



Mount films for a variety of applications.

PP 2018

Self-wound permanent mount film for both internal and external use.

- 1D
- Acrylic permanent adhesive
- Widths of 1370mm and 1524mm
- Available in standard roll lengths of 100M

PT 2113

Double-sided, highly transparent mounting film, using a 36 μ super clear polyester carrier, with a smooth coating of solvent acrylic adhesive on both sides.

Both sides of the adhesive are protected with clear polyester release liners.

- 1D
- Solvent permanent acrylic adhesive
- Clear PET liner
- Width of 1300mm
- Available in standard roll lengths of 50M and 'buy the metre'



Tools & Accessories - Introduction

A range of tools and accessories designed to make life a little easier for you.

From the RAPIDTAC range of application fluids there is RAPIDREMOVER for removing old adhesive and RAPIDTAC for helping in wet application.

We have sold the Nazdar range of Digital Solvent inks for nearly 10 years and they have proved to be no-fuss, 'plug and play' inks for the leading Solvent printers in the UK, and offer some products to help maintain your printer in the best possible shape.

Tension Display Frame Systems, Keder tapes and a range of ancillary fabric products.

We also stock double-sided and 'hook and loop' tapes and a variety of applicators, blades, safety rulers etc. to help you do the job quicker and easier.

Technical Advice and Support:

For technical advice or support on how to get the best out of our ancillary products, call our sales offices on: 01753 696977 for the Southern Office, or 01709 829800 for the Northern Office, or email sales@allprint.co.uk



NAZDAR INK TECHNOLOGIES

We have been selling the Nazdar range of Digital Solvent inks for nearly 10 years and they have proved to be no-fuss, 'plug and play' inks for the leading Solvent printers in the UK.

We now have 150 installations in the UK who are seeing the benefit of the fantastic savings which are on offer. In addition, all the Nazdar inks we sell are manufactured in the UK so you can be sure you get what you pay for!

Simply plug these inks in and you are ready to go...

there's no need to flush out your old OEM inks, just mix 'n' match ink cartridges.

Our comprehensive range of digital inks for the leading Solvent printers in the UK market has followed extensive testing on our own in-house printers.

These inks are almost identical in colour to the OEM inks, so no need for re-profiling.

Nazdar have been making ink since 1922 and established a digital ink division way back in 1995.

This knowledge and expertise allows Nazdar to offer the Industry's strongest third-party warranty.

Nazdar warrants Lyson Series Ink to withstand exterior exposure without material deterioration when viewed under normal conditions for a period of up to two years. (For full warranty statement go to: www.nazdar.com).

Technical Advice and Support:

For the latest information, technical advice or support on how to get the best out of your printer and our inks, call our sales office on: 01753 696977 for the Southern Office, or 01709 829800 for the Northern Office, or email sales@allprint.co.uk.

NAZDAR 130 Series INK TECHNOLOGIES

Nazdar 130 Series Digital Ink is designed specifically for use in Mimaki JV33, CJV, JV300, and JV150 Digital Printers. Available in 440ml cartridges.

Users of Mimaki SS21 original ink or Nazdar 133 Series ink cartridges can now change to Nazdar 130 Series ink without the need to flush with the Nazdar plug-n-play ink capabilities.

Due to the complete chemical and colour compatibility of the two ink sets, OEM cartridges can be replaced with Nazdar 130 Series cartridges as they run out, rather than all colours at the initial install. This saves both time and money as there is no need to perform wasteful ink fill procedures or dispose of unused ink.

- 440ml carts in Cyan, Magenta, Yellow, Black, Light Cyan and Light Magenta.
220ml cart of flushing solution also available.
 - Made in the UK
-

Solvent Inks

NAZDAR 133 Series INK TECHNOLOGIES

Nazdar 133 Series Digital Ink is designed specifically for use in Mimaki JV33 and CJV30 Digital Printers.

Users of Mimaki SS21 ink cartridges can now change to Nazdar 133 Series ink without the need to flush with the Nazdar plug-n-play ink capabilities.

Due to the complete chemical and colour compatibility of the two ink sets, OEM cartridges can be replaced with Nazdar 133 Series cartridges as they run out, rather than all colours at the initial install. This saves both time and money as there is no need to perform wasteful ink fill procedures or dispose of unused ink.

- 440ml carts in Cyan, Magenta, Yellow, Black, Light Cyan and Light Magenta.
220ml cart of flushing solution also available
- Made in the UK

NAZDAR 2000 Series INK TECHNOLOGIES

The Nazdar 2000 Series Digital Ink is designed specifically for use with Roland Solvent printers running Roland Eco Sol Max inks.

Users of Eco Sol Max inks can now change to Nazdar 2000 Series ink without the need to flush with the Nazdar plug-n-play ink capabilities.

Due to the complete chemical and colour compatibility of the two ink sets, OEM cartridges can be replaced with Nazdar 2000 Series cartridges as they run out, rather than all colours at the initial install. This saves both time and money as there is no need to perform wasteful ink fill procedures or dispose of unused ink.

- 440ml carts in Cyan, Magenta, Yellow, Black, Light Cyan and Light Magenta.
220ml cart of flushing solution also available
- Made in the UK

NAZDAR 202 Series INK TECHNOLOGIES

Nazdar 202 Series Digital Ink is designed as a high quality alternative to Roland Eco Sol Max 2 original inks.

Specifically formulated for plug-n-play use, 202 Series is colour matched and chemically miscible with Roland Eco Sol Max 2™ inks. This enables users to save both time and money by simply replacing the Roland cartridges as they expire on their XF, XR and VSi printers.

Nazdar 202 Series is well suited for high speed printing due to enhanced drying characteristics.

Excellent exterior performance with proven resistance to the effects of UV degradation and colour fading provide consistent and reliable print performance.

- 440ml carts in Cyan, Magenta, Yellow, Black, Light Cyan, Light Magenta and Light Black.
220ml cart of flushing solution also available
- Made in the UK



Application Fluids



Application Fluids

We have been selling the RAPIDTAC range of application fluids for over 20 years, and have hundreds of regular UK customers that love them. The most popular products are RAPIDREMOVER for removing old adhesive, and 'original' RAPIDTAC for helping in wet application.

RAPIDREMOVER

RAPIDREMOVER adhesive remover (pale lemon colour) is the quick, safe and easy way to remove old adhesive residue without damage.

It works quickly, normally under a minute, will not leave an oily residue and is water-soluble.

Stage One: Remove the old vinyl graphic with a heat gun first.

Stage Two: Spray RAPIDREMOVER onto the adhesive residue and allow it to penetrate for 30-60 seconds.

Stage Three: Use a squeegee to scrape and remove the softened adhesive.

Stage Four: Spray RAPIDREMOVER onto a rag or paper towel and wipe the area clean. Clean surface thoroughly in preparation for the new graphic.

Use in a well ventilated area.

Due to the varying condition of paintwork and substrates, apply to a test area first.

Refer to our data sheets for further information.

- Sold in 946ml (32oz) bottles with sprayer or in 3.7L refill bottles



RAPIDTAC ORIGINAL

RAPIDTAC ORIGINAL (pink colour) application fluid.

The quick and easy way to apply vinyl graphics wet.

Compared with soapy water, RAPIDTAC can significantly improve the adhesive bond.

Independent laboratory tests show 300% improvement in adhesion after 6 hours and 50% after 24 hours, with the final adhesion values over 10% higher.

This increase in adhesion values, shortly after application, allows application tapes to be removed very quickly, resulting in shorter field visits.

RAPIDTAC speeds up application times, eliminates bubbling and wrinkling, helps application in cold and hot weather and makes the final result look consistently professional, especially on glass.

Stage One: Shake the bottle of RAPIDTAC well and using strips of masking tape, position the graphic image.

Stage Two: Lift the image and use RAPIDTAC sparingly to spray the substrate.

Remove the liner from the film and place the self-adhesive image on the wet surface.

Stage Three: Finalise the position of the decal. Squeegee out the excess liquid, working from the centre outwards in all directions to enable the adhesive to start bonding. Wait 2-3 minutes.

Stage Four: Spray the RAPIDTAC fluid directly onto the application tape, then remove the tape slowly, pulling diagonally. Wipe over the surface with a paper towel.

Use in a well ventilated area. Due to the varying condition of paintwork and substrates, apply to a test area first.

Refer to our data sheets for further information.

- Sold in 946ml (32oz) bottles with sprayer or in 3.7L refill bottles



RAPIDTAC II

RAPIDTAC II works quicker than the ORIGINAL, as well as working down to 0°C.

It is the ideal solution for vinyl window graphics as it dramatically speeds up application tape removal time, saving you waiting around on site for the vinyl to bond but giving you the perfect finish you would expect from wet application.

RAPIDTAC II also reduces the risk of adhesive whitening when applied wet and cold.

- Sold in 946ml (32oz) bottles with sprayer or in 3.7L refill bottles



Application Fluids



Application Fluids

Surface Cleaner

Avery Dennison Surface Cleaner (green colour) combines the qualities of a detergent with a solvent in the one fluid.

It cleans and degreases in preparation for adhesive application.

It contains no solvents making it both more environmentally friendly than solvent-based cleaning products and kinder to the substrate.

Specified and tested by application professionals, Avery Surface Cleaner is simply sprayed on to the substrate, left for a few seconds, then removed with the use of a soft, absorbent cloth.

The Surface Cleaner is a high-performance cleaner that enables you to remove all kinds of residue in one single action, including dirt, wax, tectyl, light silicone, cock-pit sprays, and more.

A highly user-friendly cleaner, it can also be used for removing small adhesive residues from surfaces.

- Sold in 1 litre bottles with sprayer



Flat Surface Cleaner

The Avery Dennison Flat Surface Cleaner (blue colour) is suitable for large flat panels and rigid-sided trucks.

An effective choice for removing day-to-day dirt from substrates during first pass cleaning.

- Sold in 5 litre bottles



Adhesive Remover

Avery Dennison's Adhesive Remover (clear colour) is a high performance cleaner designed to make sure that substrates are adhesive-free when graphics are removed.

It is supplied in a pistol-grip spray can for easy and accurate targeting of adhesive residue.

- Sold in 500ml bottles with sprayer



Application Fluids

mactac Application Fluids

Remover Fluid

Mactac Remover is a powerful solution for removing adhesive residue from substrates. Its specific formulation allows outstanding and rapid cleaning of surfaces, following the removal of self-adhesive products.

We recommend anyone using Mactac Colourwrap and JT10700 WG-BFG to use Mactac Remover and Mactac Wrapping Cleaner products when prepping the vehicle.

- Sold in 500ml bottles with sprayer and boxes of 6



Wrapping Cleaner

Mactac Wrapping Cleaner removes residues such as dirt, wax etc. as well as everyday pollution and is a highly effective degreasing liquid.

Effective cleaning of the surface is a vital pre-application step in the application of self-adhesive materials and Mactac Wrapping Cleaner is ideal for the job.

We recommend anyone using Mactac Colourwrap and JT10700 WG-BFG to use Mactac Remover and Mactac Wrapping Cleaner products when prepping the vehicle.

Flammable liquid, UN 1993 LQ Class II.

- Sold in 1L bottles with sprayer and boxes of 6



LX Hausys Surface Primer

PM04 is a water based primer used mainly to prepare the substrate to receive LX's Interior film.

It is available in 1kg bottles, which can be used as is, or diluted with 2 to 3 parts of water as required.

The use of a primer is highly recommended for Gypsum plasterboard, calcium silicate board, concrete, painted walls, stone, wood, Melamine, Polyester coated laminates, Plastisol coated metals, MDF and low surface energy plastics such as Polypropylene and Polyethylene.

On a porous surface such as MDF, the primer will increase the adhesive bond several fold and on a LSE surface such as PP it will at least double.

A primer will also reduce future problems in the more highly stressed areas of the film where the film has been heated and stretched during application.

Areas that need this treatment include edges and tops of doors, three dimensional curved surfaces, internal and external corners, and overlapping joints.

LX's PM04 water based primer was specifically developed for use with PVC films, particularly overlapping joints.

In addition it works well with wood, gypsum etc.

Multiple coatings are recommended for very porous surfaces. PM04 needs at least 2 hours to dry completely.

- Sold in 1kg bottles



Printer Maintenance



Good maintenance routines are essential to ensure trouble-free running of your printer.

We believe the following few products will help you get the best out of your hardware investment.

Head Cleaner

Nazdar Head Maintenance Cleaning Fluid.

Because Solvent ink will naturally dry quicker than a water based ink, the cleaning of the printer, the heads and the media carriage is important to keep your machine in tip-top condition and ensure output is perfect day after day.

Nazdar Head Maintenance Cleaning Fluid is ideal for general purpose print head cleaning and nozzle washing.

This is an essential part of the kit you need to keep your Solvent printer in good working order.

- Sold in 250ml bottles
- Made in the UK

Cleaning Swabs

Foam Tip Cleaning Swabs should be used in conjunction with our Nazdar Head Maintenance Cleaning Fluid to help clean around print heads, wiper blades and print head capping stations.

This is an essential part of the kit you need to keep your Solvent printer in good working order.

Note: direct contact with the nozzle area should be avoided.

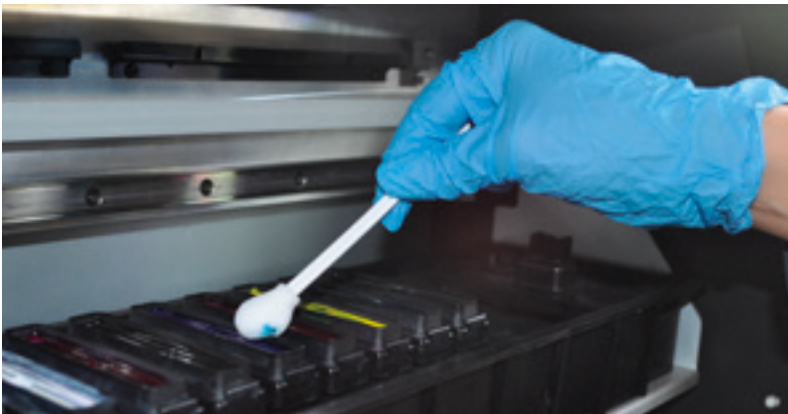
- Sold in packs of 50

Lint Free Cloths

Our lint free cloths are tried and tested, and will not leave fibres or debris after maintenance.

Can be used for general purpose cleaning of your printers, also use in conjunction with our Nazdar Head Maintenance Cleaning Fluid to wipe around print heads, wiper blades and print head capping stations.

- Sold in boxes of 75



Wrapping Tools



A small selection of wrapping tools to help successfully wrap any vehicle.

We have put together some useful tools to complement our wide range of self-adhesive vehicle wrapping films.

All the products have been tried and tested and proved to be reliable in the field.

Mactac Wrapping Glove

Mactac Glove is a white cotton glove designed to be used during the application of self-adhesive materials.

A seamless design allows the Mactac Glove to slide easily over the material surface, enabling easier application of vinyl wraps.

- Sold individually



3M™ Finish Line Knifeless Tape

A blade free filament-tape that turns in any direction to easily follow the contours of your application surface, designed to protect the substrate from blade damage and easily cuts most vinyl wrap films.

Eliminates the risk of nicks and cuts from a blade to the surface of the vehicle or substrate.

Graphic film is placed over the tape and cutting is achieved by pulling the filament up through the film. A clean cut is made along the entire length of the applied tape and the carrier tape removes cleanly, leaving no adhesive residue which provides a quick, precise and damage free way to trim graphic film.

- Sold in single rolls of 3.5mm x 50M



Green Velvet Strips

Roll of self-adhesive green velvet for application to your squeegee edge to ensure a scratch free vehicle wrap.

- Sold individually
- Made in the UK



Applicators



Every type of squeegee you will need for any application.

Chiseller

The Chiseller white tool is for removing old vinyl.

- Sold individually



Gold Squeegee

The APS 4" gold ribbed nylon squeegee is ideal for wrapping.

- Sold individually or 10 per box



Felt Edged Squeegee

The APS 4" felt edged squeegee is easy to use on all vinyls.

- Sold individually or 10 per box



Teflon Squeegee

The APS 4" Teflon white ribbed squeegee just glides over the vinyl.

- Sold individually



Red Squeegee

Mactac's 4" red ribbed soft plastic squeegee is our lowest cost applicator.

- Sold individually or 10 per box



White Squeegee

Mactac's 4" white ribbed plastic squeegee has a harder formulation than the red version.

- Sold individually



Felt Squeegee

Mactac's 4" felt block squeegee is our softest applicator.

- Sold individually or 10 per box



Felt Edged Squeegee

Avery Dennison's blue 4" Squeegee Pro is a medium-flex squeegee, and a highly effective tool for flat or slightly curved surfaces.

A great choice for vehicle wraps and day-to-day applications like wall panels.

- Sold individually or 12 per box



GT020 Window Squeegee

The GT020 Unger snappable squeegee is the ideal applicator for large window graphics.

- Sold individually



GT118-6 Refill Strips

GT118-6 Unger 6" blue strip refills for the GT020 squeegee.

- Sold individually



Small Tools



Swann-Morton®

OLFA®

Some essential everyday tools for the sign and digital industry.

SAC-1 Snap-off Knife

OLFA's SAC-1 retractable snap-off knife comes with a 30° blade.

This graphics knife easily cuts cardboard, plastics and more.

The knife's pocket clip also doubles as blade snapper.

- Sold individually



SVR-2 Snap-off Knife

OLFA's SVR-2 retractable autolock snap-off knife comes with a 45° blade.

This stainless steel knife features an auto-lock blade actuator that allows you to make quick and secure changes to the cutting depth with just one hand.

The pocket clip also double as a blade snapper to quickly access a new sharp cutting edge.

Commonly used for window film, tint preparation, and other precision cutting applications.

- Sold individually



OLFA Replacement Blades

High-quality carbon tool steel replacement blades, segmented 9mm snap-off blade.

AB-10B is a 45° blade with 13 segments

SAB-10B is a 30° blade with 7 segments.

- Sold in packs of 10

Scalpel Handles

No. 3 steel scalpel handles to be used with 10A blades.

- Sold individually or 10 per box
- Made in the UK

Replacement Blades

No. 10A replacement blades for the No. 3 steel scalpel handles.

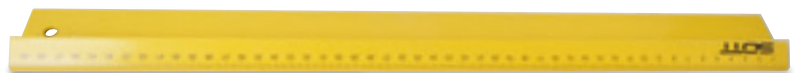
- Sold in boxes of 100
- Made in the UK



Yellow Metal Rulers

Yellow metal ruler with a non-slip backing.

- Sold individually
- Available in lengths of 500mm, 1000mm and 1500mm



Sign Tapes



Tapes

Some essential tapes for the sign and digital industry, including 'hook and loop', double-sided and banner tapes.

HOOK and LOOP Tape

HOOK and LOOP white textile pressure sensitive tapes that are ideal for temporarily holding signs and displays.

Each side sold separately.

- Sold individually or 10 per box
- Widths of 20mm and 50mm
- Available in standard roll lengths of 25M

FM-W-10P Foam Tape

FM-W-10P High tack white 1mm thick PE foam double-sided tape.

A strong white flexible PE foam coated with an acrylic adhesive, offering good shear and a high tack, it is suitable for outdoor sites and heavy components.

A good general purpose product and ideal for rougher surfaces, especially where gaps occur or on uneven and dissimilar materials.

Suitable for applications requiring high temperature resistance but UV stability is limited.

Peel adhesion 22 N/25mm after 72 hours.

- Sold individually
- Widths of 12mm, 19mm and 25mm
- Available in standard roll lengths of 50M

DS-C-2065F Clear Tape

DS-C-2065F is a high tack clear 0.2mm thick film double-sided tape.

Our Tesa 4965 alternative.

A transparent, double-sided, self-adhesive tape consisting of a PET film carrier and a high tack/high shear solvent acrylic adhesive for life-long permanent bonding.

Excellent all round high performance tape for fixing both smooth and rough surfaces.

The high adhesive mass offers excellent adhesion performance to metals and other high energy surfaces, with good performance even to low energy surfaces such as PP or PE.

It also features a plasticiser resistant adhesive.

Very good temperature, chemical and solvent resistance.

The clear UV stable adhesive makes it ideal for mounting onto glass, acrylic etc.

Common uses are for nameplates, pop-up hangers etc.

Peel adhesion 40 N/25mm after 72 hours.

Red PE film liner for easy stripping.

- Sold individually
- Widths of 12mm, 19mm and 25mm
- Available in standard roll lengths of 50M





UHB-C-10F Ultra High Bond Tape

UHB-C-10F is our Ultra High Bond (UHB) clear 1mm thick acrylic double-sided tape.

Ideal for the invisible bonding of materials and also has the highest shear strength in our range for maximum loading.

Ideal for the mounting of permanent signs onto a range of smooth or slightly rough surfaces.

Exceptionally high specification in terms of thermal, dynamic and chemical qualities, and can often be used in place of screws, rivets, welding, clips and other permanent fasteners.

The colourless clear UV stable adhesive also makes it ideal for mounting onto glass, acrylic etc.

Used to bond substrates such as metals, sealed wood, glass, plastics, composites and painted surfaces.

Peel adhesion 50 N/25mm after 72 hours and shear strength 48 kg/25mm.

Red PE film liner for easy stripping.

- Sold individually
- Widths of 12mm, 19mm and 25mm
- Available in standard roll lengths of 33M



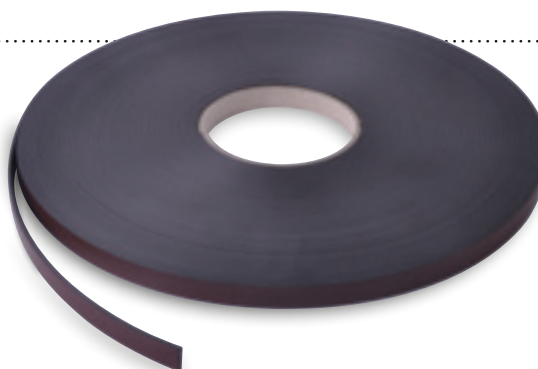
Magnetic Tape

MTA Magnetic type 'A' for pop-ups.

An adhesive backed 1.5mm mag 'A' pattern isotropic magnetic extrusion strip for the rear of pop-up display panels.

Featuring Tesa's 4965 double-sided tape with red PE film liner for easy stripping and maximum peace of mind.

- Sold individually
- Width of 12.7mm
- Available in standard roll lengths of 30M



Bannerbond GM-740

Bannerbond GM740 is a very high quality double-sided banner tape for hemming PVC banners.

300μ thick, it has excellent initial grab and excellent long term adhesion.

The adhesive is highly resistant to plasticisers making it ideal for hemming PVC banners.

Now comes as standard with a finger lift edge to help the product unroll better and reduce waste.

- Sold individually or in boxes of 7 in width of 25mm
- Available in standard roll lengths of 25M



Display Stands



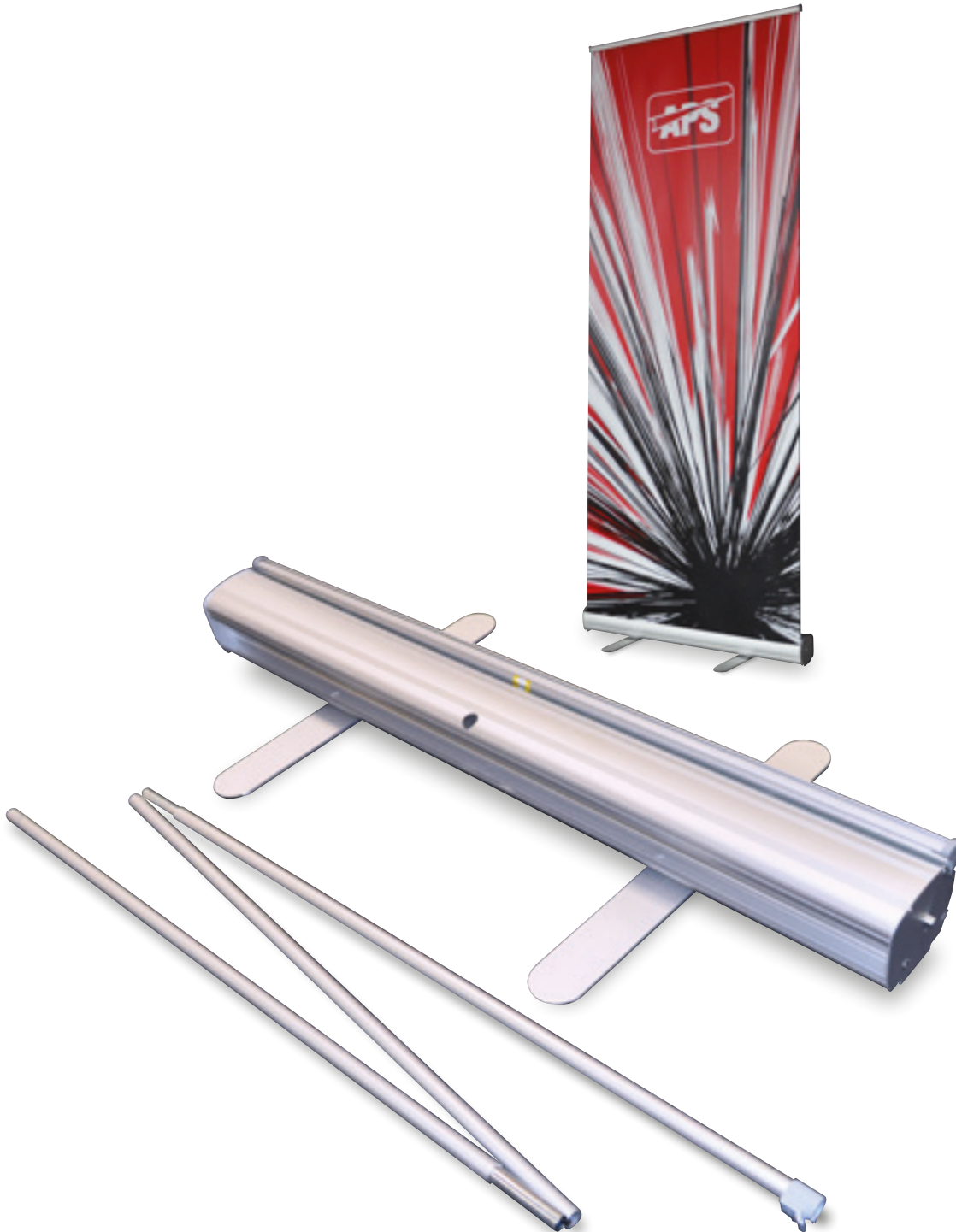
Altona Two Banner Stand

The Altona Two has two feet that swing out for maximum stability.

It also has a three part bungee type pole and comes in a padded carrying case with handle and comprehensive instructions.

The Altona Two roll-up stand is 850mm wide and comes with a top clip rail, rather than an adhesive system, to make the placement and replacement of graphics easier.

- Sold individually



Flag Ancillaries



Beach Flag Belt

Beach flag belt for Feather and Teardrop flags.

A woven elastic webbing for creating flag banners that is essential to ensuring the flag has a tight fit around the support pole.

- Black colour fabric
- Sold individually
- Available in 50M x 138mm rolls in Black



Textile Tapes



Tapes For Fabric Displays

We offer a few alternative fixing options for tension frames if you don't want to use the gripper system in your tension display frame, available in either self-adhesive or stitch on options.

Keder Lip Silicone Stitch On Tape

Keder Lip Silicone Stitch On Tape for tension frames.

Flat extruded elasticated Silicone used to sew the edge of printed textile fabrics which allows soft signage to lock into an aluminium frame.

This system creates a sleek finished look.

Its versatility enables you to switch out graphics repeatedly without having to replace the frame.

The Silicone gives the product a longer durability than the PVC version and can be a better option for in-line sewing machines.

- Sold individually
- Available in rolls 14mm x 100M

Keder Lip PVC Stitch On Tape

Keder Lip PVC Stitch On Tape for tension frames.

Flat extruded flexible clear PVC used to sew the edge of printed textile fabrics which allows soft signage to lock into an aluminium frame.

This system creates a sleek finished look.

Its versatility enables you to switch out graphics repeatedly without having to replace the frame.

More cost effective than silicone, with minimal stretch.

- Sold individually
- Available in rolls 14mm x 200M

Keder Lip PVC Self-Adhesive Tape

Keder Lip PVC Self-Adhesive Tape for tension frames.

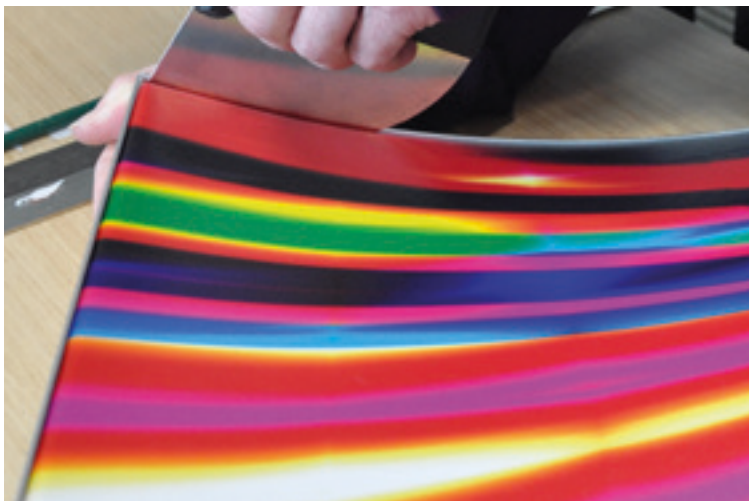
High-quality flat Keder clear PVC tape laminated with a premium pressure sensitive adhesive.

Allowing the product to be 'peel and stick' and adhered to textiles for SEG (Silicone Edge Graphic) applications.

No sewing required.

This aggressive adhesive has been specifically designed for textile applications.

- Sold individually
- Available in rolls 14mm x 25M



Signmaking - Choosing the right vinyl

Face films

Vinyl in general, can be manufactured in one of two ways- by calendaring or by casting.

Calendering:

The molten resin is squeezed between a series of rollers to produce a film of vinyl.

Due to the mechanical method of manufacture, the PVC has a built in memory and will attempt to return to its original form, which may result in film shrinkage.

PVC in its 'natural' form is a rigid material, so additives known as plasticisers have to be added to soften the film and make it useable. Other additives are included to stabilise against the effects of heat, UV and to add colour etc. Currently, there are two types of plasticisers used, these divide the calendered vinyl's into two distinct groups - Monomeric and Polymeric. Both types of Calendered films perform slightly differently in one direction than the other, i.e. in machine direction and cross machine direction.

1. Monomeric PVC's

In this case, the plasticisers used are short-chain; which means that they do not bind into the film particularly efficiently, thus having a tendency to migrate out of the film and leave it brittle.

These films are generally 70µ to 80µ thick and are prone to shrinkage and are also quite stiff.

Generally, the films have an expected outdoor life of 3-5 years for black and white and 2-3 years for colours.

They are available in a range of matt and gloss finishes and are economically priced.

They are suitable for most internal applications and selective short term external applications.

The films are barely conformable over contours and are recommended for flat-sided applications only.

The whites are generally now available as a high-opacity option, eliminating the need for a grey adhesive and simplifying inventories.

2. Polymeric PVC's

These are sometimes known as stabilised films or extended life films. The plasticisers used are long-chain, which allows them to bind into the film more efficiently, thus reducing the migratory effect. These films are generally 60µ to 80µ thick and are less prone to shrinkage, typically 50% less than the monomeric range. They feel softer and in general have an outdoor life expectancy of 7-8 years for black and white, 5-7 years for colours and 3 years for Metallics. These films are primarily available in a gloss finish, although translucent and matt finishes are also obtainable. They are suitable for most external applications, but conformability over complex contours is somewhat limited. The whites are generally now available as a high-opacity option, eliminating the need for a grey adhesive and simplifying inventories

Casting:

The liquefied resin is coated onto a highly polished substrate, i.e. casting paper, to produce a thin film of vinyl.

Due to the lack of mechanical force being used, cast films do not have the same memory as calendered vinyl; consequently shrinkage is minimal, typically 50% less than polymeric films.

Cast films are generally 50µ to 60µ thick and are very soft to handle. They have a typical outdoor life expectancy of 10 years for black and white, 7 years for colours and 5 years for metallics.

The films are primarily available in a high gloss finish and are the ultimate in terms of conformability over complex contours, i.e. rivets, corrugations etc.

All the ingredients used in the production of cast vinyl are of the best quality, consequently performance in terms of temperature ranges, colourfastness etc. is generally better than that of calendered films.

Cast films perform equally well in both directions, i.e. in machine and cross machine direction.

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Signmaking - Choosing the right vinyl

Adhesives

Manufacturers generally standardise on acrylic adhesives for external, permanent applications and the adhesives are formulated to be compatible with the life expectancy of the face film being used. These acrylic adhesives are either solvent based acrylics or emulsion/water based acrylics.

1. Solvent based adhesives or UV polyacrylate adhesives are our general preference.

While both more costly to produce they are more forgiving at low application temperatures and do not whiten when applied wet and cold. They also have excellent temperature resistance in service and are very durable externally.

The additional advantages that UV polyacrylate adhesives have over solvent based alternatives is that no hazardous solvents are used in the coating process and performance on more difficult surfaces such as LSE substrates tends to be better.

2. Aqueous or emulsion based adhesives are lower in cost but the adhesive can milk when applied wet and cold, the application temperature range is narrower and they are less durable longer-term when used externally

Below is a table showing the different attributes of the 3 adhesive systems.

Attribute	Solvent Acrylic	UV Acrylic	Emulsion Acrylic
General Adhesion	***	***	**
Low Surface Energy Adhesion	**	**	*
Shear	***	***	*
Temperature Resistance	****	****	**
Solvent Resistance to Polar Surfaces	***	***	**
Solvent Resistance to Non-Polar Surfaces	***	***	*
Plasticiser Resistance	****	****	****
Chemical Resistance	****	****	**
Water Resistance	***	***	***
UV Resistance	****	****	***
Environmental, VOC's etc.	*	****	****
Outgassing and Migration	**	****	*
Cost	*	**	***
Thickness	**	***	*
Popularity	****	*	****
Customisation	****	*	***

Release liners

Manufacturers generally standardise on either Clay Coated Kraft or Polyethylene Coated Kraft.

These are then siliconised by a variety of technologies. We try to focus on manufacturers who use FSC certified base papers and ECF (elemental chlorine free) paper, which is a bleaching process without the use of elemental chlorine.

1. Clay coated kraft papers are lower cost but not as stable in printing and handling than polyethylene coated liners. They are generally in the 125gsm to the 140gsm weight range. Kraft liners need to be conditioned in the print environment before processing further as the paper fibres on the back of the paper are exposed to the atmosphere.
2. Polyethylene coated kraft papers are higher cost, more stable in printing and cope better with humidity and temperatures changes. Most of the PE liners in our markets are single sided, meaning there is one thin layer of polyethylene on the back of the paper which acts as a seal against moisture.

This PE seal allows the end user to print straight from the box, allows for faster print speeds as the paper is stable under higher curing temperatures, reduces the risk of head strikes, helps simplify the lamination process and makes wet application of the finished graphic quicker and easier as the PE repels water.

They are generally in the 120gsm to the 140gsm weight range.

Storage

- Rolls should be stored on end, to avoid pressure marking.
- Extremes in temperature and humidity should be avoided.
High temperatures can lead to adhesive bleed, causing problems with the sprocketed material in particular, whilst humidity may cause problems with the backing papers such as curl etc.
- All self-adhesive vinyls should be allowed 24 hours to acclimatise to workshop temperatures and humidity levels, before usage.
- An ideal storage condition, recommended by most manufacturers, is 15°C-25°C and at 50% relative humidity.
- Avoid storing in direct sunlight or near heaters.
- Keep the rolls off the floor, as dampness from the floor may be absorbed into the backing paper.

Cutting

- Ensure the depth/pressure setting of the plotter blade is correct for the vinyl being used.
Not cutting deep enough will create difficulties in weeding the waste matrix. Whereas cutting too deeply into the siliconised backing paper, may cause delamination of the paper onto the adhesive side of the vinyl when removing the cut lettering from the backing paper.
It is always recommended to test cut the vinyl, by producing some lettering in the same size as the finished work.
- Cutting the vinyl, then leaving for some time before the weeding process, may lead to difficulties in weeding the waste and removing the lettering. These problems are caused by the adhesive flowing back and are especially noticeable in warmer conditions.
- Cold conditions may cause the face of the film to harden and become brittle.
This in turn can cause the blade to skid across the surface and cause the film to break when weeding.
We would recommend using a new blade in cold conditions and to allow the film to acclimatise to room temperature.

Weeding

Weeding is the process and the name given to the removal of the waste matrix, prior to the transfer of the cut lettering.

- Tweezers and scalpels are the most common tools used for weeding.
- To begin the process, start at one corner and work across the image in short diagonal movements, usually in a right to left direction.

Transfer of the pre-spaced image

After the waste matrix is weeded away, the cut lettering has to be transferred accurately from the backing paper to the finished substrate using Application Tape.

We stock a variety of Application Tapes to achieve this successfully.

As a general rule, matt permanent vinyls require a higher tack Application Tape than a gloss vinyl, and smaller images require a higher tack tape than larger ones.

No one tape will be ideal for all jobs, however we have various tapes that will work for most applications.

- Apply the Application Tape smoothly to the weeded image, avoiding wrinkles and bubbles wherever possible.
- Squeegee the Application Tape down using a plastic applicator.
- Start from the centre and work outwards- follow a pattern similar to the 'Union Jack'.
- Turn the vinyl over, so that the Application Tape is facing down on the bench and the backing paper is facing upwards.
- Remove the backing paper, starting at one corner and peeling back diagonally at an angle of 180°.

Removal of existing vinyl signage

- To remove old lettering, use a heat source, i.e. a hair dryer or heat gun, to soften the vinyl, then strip the vinyl slowly off the substrate. This tends to leave a residue of adhesive on the substrate.
- Using an adhesive remover such as RAPIDREMOVER, spray the adhesive residue and let it penetrate for 30-60 seconds.
- Use a squeegee to remove as much of the adhesive as possible.
- Now spray some RAPIDREMOVER onto a rag or paper towel and wipe the area clean.
- Finally, clean the entire area with water and detergent then degrease as detailed below.

RAPIDREMOVER can be used on a wide variety of surfaces, including most plastics, glass, fibreglass and painted surfaces that have been properly cured (for further information see our range of Application Fluid products).

Avoid use on latex painted surfaces, Styrofoam or Styrene surfaces. Always test an area first.

Preparation of the substrate

- The substrate must be free from grease, dirt and foreign matter before application.
The safest and easiest way to clean and degrease the surface is to use Avery Dennison Surface Cleaner, a non-toxic, degreasing agent that removes most waxes and silicones.
This will thoroughly degrease the surface in preparation for the application of the vinyl graphic.

Application of the pre-spaced image

There are two basic methods of applying self-adhesive vinyl's, depending on the size/complexity of the image and difficulty of the substrate.

In all cases, ensure that the sign is applied above the minimum recommended application temperature (see Technical Data Sheets for the minimum application temperatures of each product).

Please take note that these are minimum temperatures. Most self-adhesive vinyl manufacturers recommend the range of 15°C-25°C as the ideal temperatures for the application of self-adhesive vinyl's.

- Dry application- used in the majority of cases.
- Wet application- used to apply large or multi-coloured images and also recommended for application onto glass surfaces.

One of the secrets of good long term application is to have optimum contact of the adhesive to the surface. Any gaps between the adhesive and the surface will inevitably, through time, lead to adhesive failure.

Signmaking - Guide for the correct usage of self-adhesive materials

Dry application - top hinge method



1. Before commencing, establish exactly where the sign is to be located, then tape the sign into position using small pieces of masking tape. Use 2" masking tape to create a hinge- half the masking tape on top of the sign and the other half on the application surface. Squeegee the masking tape hinge firmly into position.



2. To apply, lift the sign away from the surface and fold back on the hinge. Peel off about 6" of the backing paper then lower the sign, keeping the adhesive away from the application surface.



3. Starting at the top in the centre, squeegee down and outwards towards each edge in turn. Remove another 6" of backing paper and keep repeating the process, using overlapping strokes, until the sign is completely applied (for large pre-spaced signs, do as above but slit between each letter, so that every letter can be applied individually).



4. Now carefully remove the application tape, diagonally at 180°. Air bubbles can be removed by puncturing the bubble with a pin, then squeegee the trapped air towards and out of the puncture.



5. Finally re-squeegee the sign, paying particular attention to the top and leading edges. If the sign is long and narrow, the same procedure can be adopted with the hinge on the edge of the sign, instead of the top.



Signmaking - Guide for the correct usage of self-adhesive materials

Wet application



This method is used when applying large or multi-coloured signs and window graphics, and assists greatly in the elimination of air bubbles. The application of a liquid to the adhesive forms a barrier, which temporarily neutralises the adhesive and allows the graphic to be repositioned several times.

To save time and money an application fluid such as RAPIDTAC or RAPIDTAC II can be used.

1. Shake the RAPIDTAC spray bottle well before use.

Spray the fluid onto the adhesive or onto the substrate and float the image into position.

Excessive use of RAPIDTAC will result in longer cure times for the adhesive, so use sparingly.

2. Squeegee the image as before.
3. After allowing only a few minutes to pass, spray the application tape with RAPIDTAC and squeegee again.
4. Carefully remove the wet Application Tape diagonally at 180°.

Finally re-squeegee over the entire sign again, paying particular attention to the top and leading edges.

Independent laboratory tests showed that RAPIDTAC, in comparison to soapy water, could significantly improve the adhesive bond. The tests showed 300% better adhesion after 6 hours, 50% after 24 hours and a 10% improvement in the overall adhesion peel values.

Wet application is the ideal solution for window graphics as it gives a perfect finish from both sides of the window, but it is a longer process as the adhesive will take time to bond when wet, meaning you cannot remove the application tape quickly.

To overcome this time issue we would recommend two products, our KleenTear KT50 Medium Tack application paper and RAPIDTAC II.

This combination will allow you to remove the application tape from a typical glass etch vinyl in around half the time it would take with the ORIGINAL RAPIDTAC, and several times quicker than just using soapy water and other application tapes.



Signmaking - Cautionary Notes

This information is a general guide for the use of self-adhesive materials.

Hot weather

Heat causes the adhesive to become more viscous and tacky, whilst softening the face film.

If possible, avoid applications in direct sunlight and excess heat, as the adhesive tends to grab at the substrate on impact.

Cold weather

Cold causes the face film to become harder and more brittle, it also impedes adhesion and makes the adhesive less viscous; hence extra care must be taken when handling the product.

Make sure that the minimum application temperature for the grade of vinyl being used is adhered to.

In general, the minimum temperature for permanent adhesives is approx. 10°C.

In cold weather it may be necessary to use a new blade when cutting, as an older blade may skid over the surface of the film.

As previously mentioned, the cold weather makes the film brittle, which can result in problems when weeding.

If possible, it is helpful to allow the films to acclimatise to room temperature prior to cutting and weeding.

Wet application

Water freezes, so avoid using the wet application method in freezing weather conditions.

Cleanliness

All substrates must be clean and free from grease, dirt and foreign matter.

We recommend the use of a proprietary degreaser such as Avery Dennison Surface Cleaner for cleaning the substrate prior to application.

Correct cleaning and application will significantly improve the performance of the self-adhesive material.

Washing

After application of a sign to a vehicle, the vehicle should not be washed for several days.

Power washers can remove or damage vinyl lettering if too powerful or directed at an angle to the lettering.

Printing

Most of our films can be screen printed and some can also be printed digitally, on UV, Solvent, Latex or thermal resin type printers.

If printing, it is the responsibility of the purchaser to test for ink compatibility.

Out-gassing

Some plastic materials, i.e. fibreglass, acrylic and polycarbonate can out-gas, causing bubbling under the film and eventual failure of the adhesive.

Out-gassing can similarly occur, when self-adhesive films are applied to a newly painted surface.

For example, when using two-pack paints, most paint manufacturers recommend a drying time of at least 12 hours at 20°C.

Our experience suggests that this can be an insufficient drying time before the application of self-adhesive films.

We recommend a curing time of at least 72 hours prior to application.

All reflective films are particularly prone to out-gassing problems.

Plasticiser migration

Some flexible PVC substrates, i.e. banners, curtain sides and other PVC films, contain plasticisers to varying degrees. Heavily plasticised films have a tendency to 'leach out' plasticisers during their lifetime. Therefore when a self-adhesive film is applied to one of these substrates, the plasticisers in the substrate will tend to migrate out of the substrate and start to breakdown the adhesive.

Through time, this can lead to adhesion problems, cracking of the self-adhesive graphics, and staining of the substrate.

Signmaking - Cautionary Notes

Adhesive milking

Some water or aqueous based adhesives will turn white or 'milky' when in contact with water and can look unsightly on glass substrates.

The milking will disappear after several hours, occasionally longer, depending on the film being used and atmospheric conditions.

Cold temperatures increase the milking effect and extend the time it will take for the effect to disappear.

The use of RAPIDTAC will often reduce or eliminate this milking effect.

Location and orientation

The life cycle of our materials is greatly reduced when applied horizontally, as a rule-of-thumb half the vertical life.

Take extra caution when applying to bonnets as the engine heat can damage some materials such as reflective films.

Window graphics

Most of the films featured in the product portfolio can be applied to glass windows.

However, there is a small but theoretical risk of the glass cracking. Cracking of glass, although rare, can occur if large expanses of dark material are applied to the inside or outside of the window panes.

The reason for this is that glass absorbs energy from the sun and there is a higher absorption level where there are large areas of opaque or dark colours. This can cause the glass to 'dilate'.

Some of the critical conditions that can combine and may cause glass failure are:

south facing exposure, excessively large and opaque areas of the glass, spring and autumn months,

extreme temperatures between night and day, and dilation differences between the covered and exposed glass.

The darker and more opaque the colour of vinyl used, the greater the risk of cracking.

If using opaque black or other dark shades, it is generally recommended to avoid applying large areas of vinyl to the window.

These precautionary measures should keep the risk to a minimum.

Magnetic PVC

Both the vehicle surface and the brown magnetic side of the sign should be clean, dry and lightly waxed prior to application.

Pay particular attention to the edges of the sign and particularly the leading edge.

Let one edge of the sign contact the vehicle in the desired position then let the magnet contact the vehicle positioning itself in the correct position.

Bear in mind the aerodynamics of the vehicle when positioning signs – avoid bonnets at all costs as there will be too much air turbulence.

Make sure that the entire surface of the sign is smoothly against the vehicle especially under the forward facing edge.

In the winter the temperature of the sign should be about 10°C during application.

Care should be taken with metallic finishes, such surfaces should be checked often.

A generous waxing of both the back of the sign and where it will be placed will help to prevent any damage.

Re-painted vehicle surfaces and those of new cars should be avoided for a minimum three months and must be wax polished before the sign is to be fitted, to seal the surface.

Do not position over engine compartments as the heat may damage the sign and the vehicle.

Remove the sign at least once a week and wipe dry both the magnetic side and the surface of the vehicle.

This will keep the moisture from collecting, which can potentially damage the surface of the vehicle.

Make sure that the sign is removed after rain, sleet or snow and wiped dry, as moisture collecting behind the sign may damage it and possibly the vehicle if left unchecked.

During cold weather allow the sign to uncurl in a warm atmosphere before use.

Handling Solvent & Latex Print Media

Solvent Printing:

Handling, printing and storing of Solvent media

Using correctly written media profiles takes the guesswork out of printing, will raise output quality, ensure colour consistency and reduce ink costs.

Contact the Sales Office regarding the very latest in profile availability.

It is recommended that you replace the materials back in their poly bag and stand vertically on end after printing to help reduce the risk of dust and dirt contamination.

Most of the printer manufacturers believe that the self-adhesive materials need to be left for 24 hours before being cut or trimmed in order to let retained solvents evaporate.

Cutting the product very quickly after printing can lead to edge lift of the self-adhesive face material particularly in areas of high ink coverage.

It is advisable to leave prints for a minimum of 24 hours before overlamination for the same reasons as above.

The life expectancy of the products in this product guide are for the materials unprinted.

After printing the expected outdoor performance will be dependent on the type of printer, ink formulation, the laminate and many other factors.

The printer reseller should be able to provide you with guidelines.

Our legal liability for accidental bodily injury or damage to the property of third parties in the course of the business including products supplied is limited to £5M in any one incident.

A copy of our Public/Products Liability certificate is available on request.

Latex Printing:

Handling, printing and storing of Latex media

The Latex printers use significant amounts of heat, therefore it is essential that prior to printing, the media is allowed to acclimatise to the same conditions as your printer.

We would recommend rolls are removed from their protective packaging and stored in the print room for at least 4 hours prior to printing.

When loading media into the printer it is advisable to feed approximately 50cm out from the front of the ink curing unit. It can take a few minutes for printing to actually start, so while the heaters warm up to the correct temperatures, this extra 'leading edge' helps absorb the heat and avoid any scuffing or touching of the actual print job.

For any job longer than 3 metres, we would also recommend the use of the take up roll, to keep your job in good shape.

Always re-reel in the same direction as the roll was supplied to avoid any cockling or buckling of the finished print, especially with self-adhesive media.

Our extensive range of profiles available for Solvent printers has been increased to cover the leading HP Latex printers in the market.

These profiles have been created in house by our dedicated colour profiler and will help take the guess work out of the correct ink levels, print speed, and more importantly the drying and curing temperatures needed.

These heat settings are an essential part of getting the best of our media when working with the Latex printers.

Contact our Sales Office regarding the very latest in profile availability.

It is recommended that you replace the materials back in their poly bag and stand vertically on end after printing to help reduce the risk of dust and dirt contamination.

Output from the Latex printers does not require the same outgassing time as Solvent printers, so our products can be used immediately after printing. However as its impossible to cover every use, we recommend you try the media before carrying out a large campaign.

The life expectancy of the products in this product guide are for the materials unprinted.

After printing the expected outdoor performance will be dependent on the type of printer, ink formulation, the laminate and many other factors.

The printer reseller should be able to provide you with guidelines.

Our legal liability for accidental bodily injury or damage to the property of third parties in the course of the business including products supplied is limited to £5M in any one incident.

A copy of our Public/Products Liability certificate is available on request.

Digital Printing

Over the years we have been asked by many customers for support and detailed information on the best practice with wide-format printers, and also for maintenance tips on the machines.

Whilst we focus on consistent good quality media, we have a large amount of experience in printing all types of media in our print room.

From this we have put together the following tips and hints to help maintain your machines.

Location of your printer

Your printer must be kept clean and in a dust free environment.

This is critical to ensure the print output is also clean and dust free.

Our printers are regularly wiped down with a slightly damp cloth to keep dust levels to a minimum.

This includes all flat surfaces of the machine, including the legs!

The floor area is kept clean, all packaging, media off cuts and old prints are kept away from the printer.

This helps to avoid any accidents where rolls can fall over and contact the printer or prints!

We recommend the use of roll holders to store media on. These have saved us a lot of problems.

The printer needs to be kept away from large extremes of temperature and humidity.

Very high temperatures can have a negative impact on the drying of media, with the inks not having enough time to flow.

Low temperatures can have a big impact on media drying times and lead to problems with printed media sticking to itself on either take up rolls or the floor.

Keeping the printer at around 18–24°C has worked very well for us over the years.

Ventilation to allow an air change is also important to prevent a build-up of solvents or heat in the print room.

This also provides a good environment for the print operator!

Printer maintenance

All new printers are sold with a manual detailing clearly the steps you need to take to keep the machine in good condition.

These daily, weekly and monthly routines are absolutely critical to ensure the printer and print head are kept in optimum condition.

Because Solvent ink will dry quickly, the cleaning of the printer, the heads and the media carriage is important to keep your machine in tip-top condition and ensure output is perfect day after day.

Each machine is slightly different, so it's almost impossible to spell out here the individual steps for each Solvent printer currently on the market. However your printer manufacturer should be able to assist you in finding the correct schedule for your particular machine.

The web is also a great place to pick up the appropriate tips and hints on maintenance.

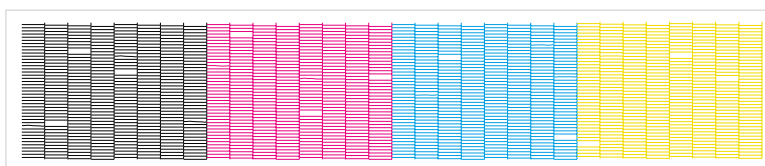
We always carry out a nozzle test before carrying out any work.

It's a rapid and very easy method of checking your printer is in good condition.

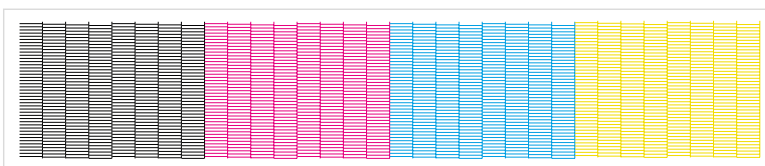
It should be printed as a series of sharp well defined lines in each of the print colours.

Any deviation, in terms of wavy lines or missing lines is an indication your machine may need maintenance action.

Running machines with missing nozzles, like the example image shown, can be OK, however missing colours in the output can look unsightly and lead to work being rejected by your client!



Shown on the right is a perfect example of well kept printing heads.



We offer a range of 'printer maintenance products' to help ensure trouble-free running of your printer.

LX Interior Film Guide

Suitable surfaces

LX Interior Films can be applied to many types of surfaces including paints, varnishes and laminates.

The product features a high tack air-free adhesive designed to bond well to most common surfaces and with air channels to help avoid air entrapment and unsightly bubbles.

Surfaces that need special attention include porous surfaces such as plaster that may appear smooth and offer good adhesion, but adhesion levels will drop over time. For surfaces such as these the use of LX's PM04 water based primer is essential.

As a guide, a high tack pressure sensitive film will have final adhesion values of between 20 and 25 N/25mm on a good surface such as stainless steel or glass.

The table below shows the difference a primer can make to the successful adhesion of the film.

	20 min. adhesion N/25mm	24 hour adhesion N/25mm	7 day adhesion N/25mm
Untreated MDF	2	3	4
Primer coated MDF (using LX PM04 water based primer)	15	17	19
Untreated Polypropylene	11	11	11
Primer coated Polypropylene (using LX PM04 water based primer)	22	22	28

Surfaces that need particular care and attention include unsealed concrete, PVC films and metals that can corrode such as copper.

Smooth application surfaces such as glass or smooth metal will offer the best adhesion values and aesthetic look.

Slightly textured surfaces also offer good adhesion but the texture of the application surface may be visible in some of the Interior Film finishes.

Rough surfaces such as heavily textured wallpapers, brick and concrete blockwork will not offer 100% adhesion coverage and the surface texture will be visible in the face film.

Paints now have reduced amounts of VOCs and 'easy-clean' additives that can impact the ability of the adhesive to adhere properly the paint surface.

Thorough cleaning with an alcohol based cleaner such as IPA will help improve the bond.

The use of a primer will also help to overcome any adhesion issues.

The use of narrow test strips on the application surface will help you to decide what further action needs to be taken to improve adhesion, such as the use of a primer.

Adhesion

Initial adhesion is the bond needed to hold the film in place when being installed and requires a substantial portion of the adhesive to be in contact with the application surface.

Final adhesion is typically reached 24 to 72 hours after application.

The best way to improve adhesion is good preparation of the surface and the use of a primer (PM04) but they will reduce the repositionability of the film and make removal at the end of life more difficult.

A primer such as PM04 is necessary on corners, overlaps, edges and whenever the film is stretched.



LX Interior Film Guide

Surface preparation

Damaged areas such as holes and chips have to be repaired prior to application of the Interior Film.

Clean the application surface thoroughly with an IPA based cleaner using a lint free cloth.

It is critical that the paint or primer is fully cured, PM04 primer needs a minimum of 2 hours to cure.

For porous surfaces, a primer coat needs to be applied and fully cured.

Some very porous surfaces such as certain MDF grades may require more than 1 coat dependent on the absorbency of the surface.

Surfaces such as MDF, wood, Melamine and low surface energy plastics can be roughened up with sand paper to aid adhesion.

Application

The recommended application temperature is between 10°C and 30°C.

Cut the film to size with a minimum of 25mm extra on all sides for trimming.

Wrap the plastic squeegee in a lint-free cloth so that it does not scratch the surface of the film.

Align the Interior film with the application surface and pull off a maximum of 300mm of liner.

Then starting in the centre, squeegee the film down using overlapping strokes.

Remove another 300mm of liner and repeat until the application surface is fully covered.

Take care to apply the film only once as repeated repositioning of the film can cause delamination.

Stretching of the film can cause colour and pattern variation.

Squeegee the entire area again to ensure 100% adhesion.

The use of a hot air gun will help ensure 100% adhesive contact and improve the bond.

If during installation air should be trapped behind the film causing a bubble, gently strip back the film and reapply with the plastic applicator. Very small air bubbles can be released by pricking the bubble with a pin. Press out the entrapped air by moving your thumb toward the puncture hole.

Videos of various application methods for internal, external corners, three dimensional curved surfaces, doors etc. are available on our web site www.space-interiors.co.uk - These include tips on butt joints, overlapping joints etc.

Primer

The use of a primer is highly recommended for Gypsum plasterboard, calcium silicate board, concrete, painted walls, stone, wood, Melamine, Polyester coated laminates, Plastisol coated metals, MDF and low surface energy plastics such as Polypropylene and Polyethylene.

A primer will also reduce future problems in the more highly stressed areas of the film where the film has been heated and stretched during application.

Areas that need this treatment include edges and tops of doors, three dimensional curved surfaces, internal and external corners, and overlapping joints.

LX's PM04 water based primer was specifically developed for use with PVC films, particularly overlapping joints.

In addition it works well with wood, gypsum etc.

Multiple coatings are recommended for very porous surfaces.

PM04 needs at least 2 hours to dry completely.



Visit website:



Wallpaper Printing – A Guide For Producing & Installing Solvent Printed Wallpaper Prints

This guide offers advice on producing Solvent printed wallpapers, the best way to protect the Solvent prints, and tips on installing wallpaper.

Below is a video guide describing the tools you will need and follows the full wallpaper installation process, including the design, preparation of the wall, and the joining of wallpaper edges so the design flows.

VIDEO GUIDE:

How to hang pre-pasted wallpaper



Laminating Solvent printed wallpaper

Lamination of our wallpaper is not recommended.

Protecting your Solvent printed wallpaper prints

To protect the wallpaper prints from abrasion, dirt and moisture we would recommend the application of a Decorators Varnish, such as a clear acrylic coating.

This type of varnish should protect the print against water, mild abrasion and discolouring, and allow the printed paper to be cleaned with a mild detergent.

This type of acrylic varnish can also help to prevent cracking of the coating when creased.

Prints should be left for 12 hours prior to application of the varnish and care should be taken on dark areas of the print as the varnish can look slightly milky.

These varnishes are generally best applied by a short-pile paint roller, but can also be brushed on.

We have used Polyvin's Acrylic Decorators Varnish in-house, which is available from most Decorators Materials Suppliers in gloss, satin and dead-matt and have found the results to be excellent.

Pasting Solvent printed wallpaper

When pasting, a standard or heavy-duty starch based paste may be used.

The paste should be left for 10 minutes after application, before hanging.

The wet expansion for papers is limited making it slightly more difficult to hang than some standard wallpapers and care must be taken if papering on to a curved surface.

As when hanging standard wallpaper, always check the suitability of the wall to accept pasting.

To ensure colour consistency, always complete the job from one roll of material.

Digital Wallcovering Projects - Key Stages

Below are a summary of the key stages in the survey, preparation, printing and fitting of digital wall covering graphics projects.

Site survey

- The most critical part of any wall graphic contract. It is important that an actual physical onsite survey is carried out to check and verify the following area.

Site location

- Where is the job?
- Can 3 metre rolls of print be easily delivered to site without damage.
- If the wall covering is large, once started, the job cannot be interrupted or paused.

Access

- Is there good access to all parts of the wall being covered?
- This is also to allow the use of working at height equipment.

Wall condition

- Are the walls uniform and flat?
- Are they level over the entire area?
- Good use of a tape measure and string are critical here to assess wall flatness and get an accurate size.
- Does the graphic have to run around corners, or just one simple wall?
- Are they new or old?
- Is the surface in good condition?
- This will have an impact on the time for fitting, extra wall preparation will take more time.

Paint type and age

- Are the walls freshly painted?
- If so what with and when was it completed.

Wall mounted obstacles

- Is it possible to remove switches, radiators, lights etc. to enable a smooth run of wallcovering?
- Or can they be worked around?

Preparation work

- This is also a critical part of the process, treated properly the actual graphic hanging will be a lot easier.

Surface primers

- Latest paint types include many “kitchen and bathroom” types, which are designed to resist marking and damage.
- This will affect the ability of the paste to stick, so it’s important to know about the paint type used – this information should be clear from site, however if at all unclear or in doubt ALWAYS prime the surface with Zinsser.

Surface primers

- ALWAYS use Zinsser Bullseye 123 (white finish) or Zinsser GARDZ if a clear finish is required.
- This will help the wallcovering key to the wall, and give the paste time to dry slowly and bond properly.
- Do not use PVA or similar surface preparations, as this sits on the surface of the wall.

Paste types

- For standard wallpaper products – design2wall, wallvision, we recommend the use of a starch based paste (Solvite extra strong).
- For textile or fabric wall coverings, we recommend the Albany Speciality Wallcovering Adhesive, available from Brewers.

Digital Wallcovering Projects - Key Stages

Tools of the trade

These tools cover most eventualities:

- Plentiful supply of scalpel blades
- Olfa snap off blades
- Rulers
- Teflon strips – to protect wall surface while cutting graphics in situ.
- Squeegees – more info to come
- Foamboard spreaders – simple triangle of 5mm foamboard to aid fitting in corners
- Lint free cloths or wipes to keep print surface clean and paste free.

Graphics

- One piece wall art is possible with large format wall media, such as our Royal Majestic textile.
- Product is printed in one long run, with 50mm bleed top and bottom.
- Applied in one piece, this is a 2 – 3 man operation depending on the length of the wall.
- This is usually printed by UV or Latex, in one long print, this is more demanding to fit, but avoids any joints and colour shifts possible with tiled graphics.
- Tiled graphics are possible with all our other pasteable wall coverings.
- Take care to print graphics in register, so panels line up, check printer feed calibration and use take up roll to maintain consistent media tension
- Leave graphics loosely wound to outgas if solvent printed, to avoid damage in hanging
- Cut graphics to size for the job, all our pasteable products are designed for butt joints.
- Care must be taken to trim graphics EXACTLY to correct size to ensure alignment.
- A router will give the most accurate cut.
- Always use the same batch of wallpaper, certainly on the same wall surface.

We supply a complete range of different types of wallpapers suitable for every kind of project, including textured, smooth, pasted, pre-pasted, self-adhesive and fabric/textile wall coverings.



Car Wrapping



1. Thoroughly clean the surface the material is to be applied to using a sponge and clean, soapy water. The surface area is clean enough when you can rub your fingers over the cleaned area and it is 'squeaky' clean.

Then use Avery Dennison Surface Cleaner to prepare the surface that the vinyl will be applied to. Pay particular attention to the recessed areas of the bodywork which trap dirt and grease - ensure these areas are completely free from dirt, oil and grease as any dirt left on the body work will affect the materials adhesion to the surface.



2. Position the film to the cleaned application surface using low-tack application tape or wrapping magnets. These will serve as a 'hinge' for applying the material to the surface. Ensure the 'hinge' tape is placed on a flat part of the surface.

Only remove a small section of the liner at first to prevent pre-sticking.

Avery Dennison car wrapping magnets are an easier alternative to using application tape.



3. Keep the adhesive away from the surface until ready.

Use a velvet edged plastic squeegee to firmly apply the film from the centre outwards towards the film edges.

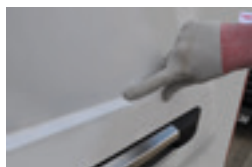
Take care NOT to stretch the film while following the irregular shapes of the surface.

Apply vertical sections using vertical squeegee strokes. Remove the application 'hinge' tape or magnets and re-squeegee all edges and corners.



4. When re-squeegeeing the edges and corners, ensure the material is fixed on ALL edges of any irregular shapes in the surface.

Work your way around the edges of all irregular shapes, dips and corrugation ensuring all the edges are fixed firmly!



5. Once all edges have been firmly fixed to the surface, the application of the material in the recesses and shaped surface areas can begin...

6. Then, to conform the recessed and irregular shaped areas, use a hot-air gun to heat these areas of material gently to about 40°-50°C.

We advise you only heat small areas at a time.

Always check the correct temperatures are adhered to using a temperature sensor.



7. Having heated the material to 40°-50°C start stretching the material into the deepest parts of the recessed areas- ensuring the area of material you are working on stays heated to at least 40°C.

Continue your way around the recessed area focussing only on the deepest part.



8. Once the deepest parts have been successfully applied, begin to work your way through all the other recessed areas, shaping the material to the contours of the substrate. Again, ensure that the material is heated to 40°-50°C.

9. With all the edges now properly applied you will need to turn your attention to the remaining areas of the vinyl. When doing this make sure that any air is not trapped; avoid trapping air by leaving an opening for the air to escape.

Check the application for any air bubbles - if any small air bubbles can still be seen these are easily removed with a small puncture, then heat it a little and push the air out.



10. Now for the final stage.

Use the hot air gun to heat the material to a minimum of 90°C, especially in areas where the material has been stretched.

Ensure the heating is done gently and the temperature then gradually increased - it is important that the film AND the substrate reach these temperatures by re-heating gently rather than with short blasts of heat.



VIDEO GUIDES:
Vinyl wrapping
tips & tricks



Car Wrapping - Issues With Special Surface Coatings

Wrapping onto special surface coatings

Prior to applying self-adhesive vinyls, here are some additional considerations for different application surfaces.

Special surface coatings

Coatings on new vehicles is a hot topic, be they rust or dirt repellent, as they can cause applications issues and failures.

What we have noticed over the years, especially since paints have become water based, is the extensive use of rust preventative coatings (wax / silicone like residue).

These coatings are sometimes so thick that the vehicle needs to be cleaned and degreased 2-3 times to remove all remnants of wax / silicone contamination.

If all these residues are not thoroughly removed the material will never build ultimate bond strength, in fact it is similar to when vinyl is left on the backing paper... it never bonds.

Ceramic coatings and non-stick / self-cleaning paints

Another wrap application challenge that has surfaced more recently on brand new vehicles is ceramic coatings or non-stick / self-cleaning paints.

Essentially these coatings or paint additives prevent anything from adhering to the surface, which for wrapping is not compatible. i.e. the surface is rejecting the self-adhesive vinyl.

Once again no bond strength will build in cases like this resulting in wraps popping out of recesses and easy removal of applied vinyl days later.

Remedying special surface coatings

If either of these coatings are present no self-adhesive vinyl would perform as expected, including high tack constructions.

To remedy a ceramic coating a mechanical removal of the coating must be done, car detailers offer this service, before self-adhesive vinyl can be applied successfully.

To establish whether there is a coating still present on the vehicle a simple peel adhesion test can be done with masking tape as follows:

- Apply a 2" strip of masking tape to the vehicles (clean) window and another 2 inch strip to the cleaned vehicle body (which requires wrapping)
- Peel both strips of masking tape off at the same time and the resistance to removal / tackiness between the strips as you pull them should be almost identical

If the strip on the vehicle body releases noticeably easier or quicker than the other strip this would be indicative of either a coating or wax being present.

Wrapping will not be recommended without more surface preparation.

Outdoor signage and advertisements:

A guide to UK planning permissions for advertisers.

The rules and regulations relating to outdoor advertisements and signs are rather complicated so we have put together some information to help keep our customers within the required standards.

Temporary notices

Temporary notices up to 0.6 square metres relating to local events, such as street parties and concerts, may be displayed for a short period.

There are different rules for estate agents' boards, but, in general, these should not be bigger than 0.5 square metres.

Professional adverts and signs for business

The planning regime for larger, professional adverts, signs for businesses and so on is complex though all outdoor advertisements must comply with five 'standard conditions'.

They must:

- Be kept clean and tidy
- Be kept in a safe condition
- Have the permission of the owner of the site on which they are displayed (this includes the Highway Authority if the sign is to be placed on highway land)
- Not obscure, or hinder the interpretation of, official road, rail, waterway or aircraft signs, or otherwise make hazardous the use of these types of transport
- Be removed carefully where so required by the planning authority

There are 9 classes of advertisements excluded from direct control of the planning authority.

These include:

- Advertisements on enclosed land
- Advertisements on moving vehicles
- Advertisements which are an integral part of the building's fabric
- Advertisements displayed on items such as petrol pumps or vending machines
- Advertisements displayed inside a building

There are 16 other classes of signage/advertisements also permitted without planning consent.

However these must comply with certain conditions such as length of time to be displayed, height of signage and use of signage.

For example Class 5 in that guide allows you to advertise what goods or services you sell at your own premises with some restrictions on letter height, height of signage, illumination etc.

Generally you will need planning permission for:

- Virtually all posters
- Some illuminated signs
- Some fascia signs and projecting signs where top edge is more than 4.6M above ground level
- Most advertisements on gable ends

Additional useful information can also be found here:

Planning, Building and the Environment:

Outdoor Advertisements and Signs
A Guide For Advertisers



Do you need
permission?



Adverts and signs:
Planning permission



Conspicuity Marking Requirements

Conspicuity Marking Requirements On Goods Vehicles:

Logistics UK Compliance Guide (Formerly FTA - Freight Transport Association).

When do you need to display reflective 'conspicuity' markings on your vehicle?

This information provides details of the legislation regarding conspicuity markings and guidance on how to comply with the marking requirements including examples of various vehicle body types and designs.

It has been produced for information purposes and is not intended to be a substitute for the full legislative details contained in UN ECE Regulations or the Road Vehicles Lighting Regulations 1989.

Introduction

The Department for Transport (DfT) has committed to implementing European legislation on the fitment of conspicuity markings to large goods vehicles.

These markings effectively illuminate the outline of a vehicle at night by reflection from the headlights of vehicles following behind.

DfT's research estimates the potential to prevent 76 killed and serious injury accidents per year if all goods vehicles were fitted with conspicuity markings.

These requirements were intended to be transposed into the Road Vehicles Lighting Regulations and enter into force on 10th October 2009.

However, in September 2009, the Secretary of State for Transport announced that the requirement for heavy goods vehicles to be fitted with conspicuity markings had been postponed and would be introduced from 10th July 2011.

This guide provides details of the legislation regarding conspicuity markings and guidance on how to comply with the marking requirements including examples of various vehicle body types and designs. It has been produced for information purposes and is not intended to be a substitute for the full legislative details contained in UN ECE Regulations or the Road Vehicles Lighting Regulations 1989.

Edition 2 of the guide incorporates amendments to UN ECE Regulation 48 which entered into force on 9th December 2010 concerning derogations and changes to height requirements for conspicuity markings.

Background

Currently, the Road Vehicles Lighting Regulations 1989 (RVLR) require certain motor vehicles with a gross vehicle weight exceeding 7.5 tonnes to be fitted with retro-reflective rear marker plates approved to the European Regulation, UNECE Regulation 70.00. (The latest version of this regulation is known as Regulation 70.01, however the UK still permits the use of Regulation 70.00 marker plates.)

These plates are fitted in addition to rear lights and reflectors and are intended to make the vehicle more conspicuous to other drivers so they are aware of the presence of a large, potentially slow moving vehicle.

Some vehicle operators also fit conspicuity markings to their vehicles.

These are vertical and horizontal lines of retroreflective material which emphasise the length and shape of the vehicle and also warn other drivers of their presence.

UNECE Regulation 104 (R104) provides a technical specification for these conspicuity markings and their use on vehicles in the UK is optional at present under the Road Vehicles Lighting Regulations.

UNECE Regulation 48 (R48) is a European regulation that sets out harmonised installation requirements for vehicle lights and reflectors.

It is broadly equivalent to the RVLR and the UK cannot refuse registration of vehicles approved to this regulation on the grounds of their lighting.

Recently R48 was amended to mandate R104 specification conspicuity markings on certain new H.G.V.'s and trailers.

More complete information can be found here:

GOV.UK

Conspicuity Marking Requirements
On Goods Vehicles:



Logistics UK (Formerly FTA)

Conspicuity Marking Requirements
On Goods Vehicles:



Fire Rating Summary

A complex business due to national differences and different standards for different locations of the tested product.

As products are constantly being re-engineered and re-tested for fire ratings, we have generally only included the standard the product has been tested against.

For the classification and a copy of the actual fire rating document please contact the Sales Office.

This summary is our view of the current situation.

In the UK, BS476 classification is the main standard used.

This is a building regulation standard and it is achieved through two tests:

- Part 7 measures the flame surface spread.
A Class 1 is then achieved through testing to part 7, where the flame must not spread more than 165mm during the test.
- To achieve Class 0 you need to then test to part 6 which measures fire propagation (how much energy is contributed to a fire when product is heated).

These tests are done (normally) laminated to an aluminium substrate or a calcium silicate board (products with much higher resistance or non-flammable) so that you are only measuring the contribution of the test media to a fire and the test is interested in the first 10 minutes of the fire.

Due to national differences we have also seen German fire ratings such as B1 and French fire ratings such as M1.

In an attempt to harmonise testing throughout Europe we now have the Euroclass test EN13501-1.

For our type of materials this gives us a classification between typically of B, C or D.

Classifications B and C are preferred.

EN13501-1 also classifies the reaction to fire in a more detailed way.

Products are reported in 3 part system, so a product such as Avery Dennison's 700 Premium Film has a classification of **B-s1,d0**, where:

A to F is the main classification for contribution to fire, A is the best and F the worst.

B is broadly similar to Class 0, B1 and M1 (refer to table on the next page).

s1 to s3: classifies smoke production, s1 is the best and s3 the worst, as following:

s1: More stringent criteria than s2 are satisfied

s2: The total smoke production as well as the ratio of increase in smoke production are limited

s3: No limitation of smoke production required

d0 to d2 is a measure of droplet formation, d0 is the best and d2 the worst, as following:

d0: No flaming droplets/particles are allowed

d1: No flaming droplets/particles persisting longer than a given time allowed

d2: No limitation

From this classification and using the table on the next page we can see that 700 Premium Film is broadly similar to Class 0, B1 and M1, rates very well on smoke production and has no flaming droplets.

This is practically as good as it gets for a self-adhesive material.

All the test is interested in is first 10 minutes of the fire, and testing is normally carried out on an inert, non-reactive substrate like aluminium or calcium silicate board.

National classifications for reaction to fire do not automatically equate across countries as national tests differ from harmonised European tests.

You cannot assume a Euroclass rating unless testing has been carried out using the European testing standard.

Fire Rating Summary

Euroclass harmonised EN13501-1	UK BS476	Germany DIN 4102	France NF P92-501
A1	Non-combustible	A1	Non-combustible
A2	Limited combustibility	A2	M0 or M1
B	Class 0	B1	M1
C	Class 1	B1	M2
D	Class 3	B2	M3
E		B2	M4
F		B3	

1. Class 0 products are either:

- a) Composed throughout of limited combustibility, or
- b) Products with Class 1 performance for surface spread of flame when tested in accordance with BS476-7 which, when tested with BS476-6, also have a fire propagation index of not more than 12 and a sub-index of not more than 6.

2. Class 1 or Class 3 is achieved when a product meets specific criteria for lateral spread of flame in accordance with BS476-7.

Other fire tests sometimes quoted include ISO 3795. This standard specifies a method for determining the horizontal burning rate of materials used in the occupant compartment of vehicles, after exposure to a small flame.

Using a highly rated self-adhesive material will not fire proof the substrate it is fixed to. If you are applying the self-adhesive material to a wooden surface such as a door with no fire retardant properties, the wood will still burn, it just means that the self-adhesive material will not add to the fire.

It currently costs around £2,500 to put one product on one substrate through the EN13501-1 test so there will be a mix of standards from different manufacturers. In addition some end users will still insist on their own national tests.

Floor Rating Summary

DIN 51130

All our flooring laminates are currently rated, generally using the DIN 51130:2004-6 standard for shod feet.

Our interpretation of DIN 51130 is that the products are rated between R9 (the lowest) and R13 (the highest).

Floor surfaces classified R9 and R10 are not acceptable in wet, slippery, oily and greasy floor conditions in the UK.

In summary:

- R9 should only be used for dry areas only and is a high risk in wet areas
- R10 rated products are for areas that are kept largely dry
- R11 are for transitional areas that can occasionally be wet and we have a couple of products that meet R11
- R12 are for wet areas or slopes and R13 for very wet areas or slopes and are not locations where we would recommend floor graphics

You need a minimum of R12 and ideally R13 rating for any slopes.

EN-13036

The harmonised European standard EN-13036-4:2011 (similar to BS 7976-2) uses the Pendulum test to assess the floor's surface properties under both wet and dry conditions.

The Pendulum Test replicates a heel striking the floor, as this causes most slips.

The tested surface is given a value from 0 to 100, with 100 being the most slip resistant.

PTV's (Pendulum Test Values) are on level floors with no slope.

The minimum slip resistance value considered safe for pedestrians is 36 PTV in the worst conditions (wet).

PTV's can be roughly categorised as follows:

- PTV's of 0 to 24 are high risk of slip with slip injuries almost certain to happen, slip risk up to 1 in 20 (roughly equivalent to R9)
- PTV's of 25 to 35 have moderate slip potential and are generally not acceptable to the HSE, slip risk 1 in 100,000 (roughly equivalent to R10)
- PTV's of 36 plus are low risk with very rare slip injuries, slip risk 1 in 1,000,000 (roughly equivalent to R11 / R12).
- PTV's of 75 plus extremely low risk with slips very unlikely, slip risk less than 1 in 1,000,000 (roughly equivalent to R13)

DIN 51097

For bare feet, testing is generally carried out against DIN 51097 and then categorised A (worst), B or C (best).

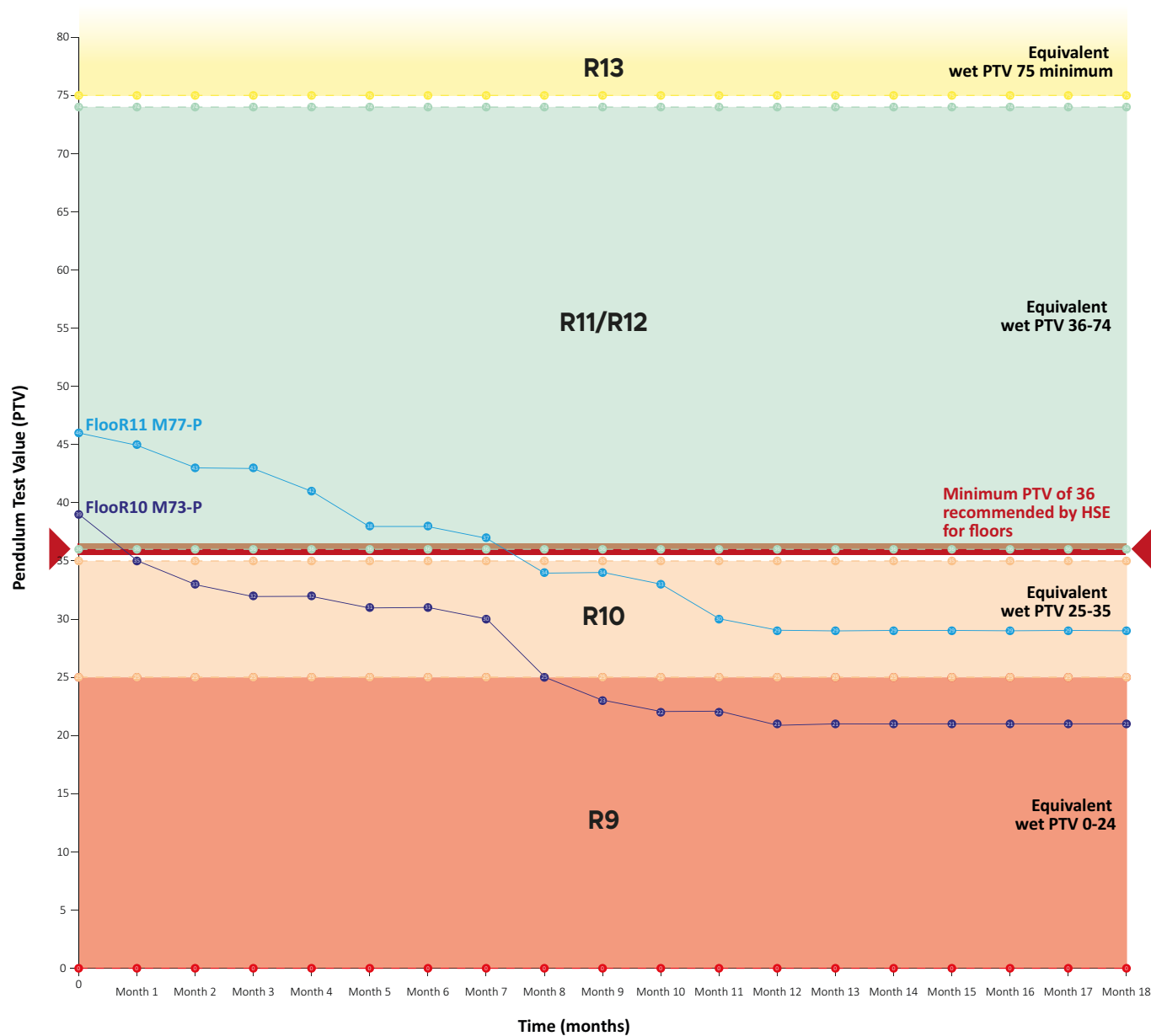
For areas such as swimming pools, bathrooms, showers etc. then a 'C' Rating is recommended.



Floor Rating Summary

Flooring laminates wear durability - Illustrative graph

The graph below shows the wear durability of NU-COAT flooring laminates, Floor10 M73-P and Floor11 M77-P based on monthly Pendulum Tests conducted in a real medium/high traffic area with 8 hours a day, 5 days a week footfall over 13 months.



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Application For A Credit Account

PLEASE COMPLETE THIS FORM IN BLOCK CAPITALS.



All Print Supplies
allprint.co.uk

Name of Company:		
Are you?	1. A limited company <input type="checkbox"/>	2. A partnership <input type="checkbox"/>
	3. A sole trader <input type="checkbox"/>	
Company Reg No.:		
Vat No.:		

YOUR TRADING INFORMATION:	
Trading Address:	
Postcode:	
Telephone:	E-mail:
Time at this address: years months	
If less than 2 years please supply previous address:	
Postcode:	
Are the business premises owned by the Proprietor(s): Yes: <input type="checkbox"/> No: <input type="checkbox"/>	
How many years have you been trading: years	
Monthly expenditure: £	Amount of credit applied for: £
Accounts Contact:	

IF NOT A LIMITED COMPANY:	
Proprietor/s: (1)	
Proprietor/s: (2)	
Home Address: (1)	
Telephone:	E-mail:
Home Address: (2)	
Telephone:	E-mail:

LIST ANY COUNTY/HIGH COURT JUDGEMENTS MADE AGAINST THE APPLICANT IN THE LAST SIX YEARS:
Are all judgements satisfied: Yes: <input type="checkbox"/> No: <input type="checkbox"/>

TRADE REFERENCES (PREFERABLY RELEVANT TO THIS INDUSTRY):	
Reference 1: Name:	
Address:	
Telephone:	E-mail:
Reference 2: Name:	
Address:	
Telephone:	E-mail:

CONSENT FOR USE OF PERSONAL INFORMATION:
If you would like to receive direct marketing communications from All Print Supplies Ltd please tick the relevant boxes:
By post: <input type="checkbox"/> By telephone: <input type="checkbox"/> By email: <input type="checkbox"/>

I the undersigned confirm that the information given is true to the best of our knowledge.
We hereby apply for credit from All Print Supplies Limited and agree to the Terms and Conditions as stated overleaf.

Signed:		Position:	
Print Full Name:		Date:	

APS230/01/24

All Print Supplies Ltd

Head Office: 7b Fairlie Road, Slough, Berkshire SL1 4PY | T 01753 696977

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Terms And Conditions Of Sale

1. DEFINITIONS

"the Seller" means All Print Supplies Ltd.

"the Purchaser" means the person, firm, or company to be supplied with the Goods by the Seller.

"Goods" means the goods, materials and/or other items to be supplied pursuant to the Contract.

"the Contract" means the contract for sale and purchase of the Goods made between the Seller and the Purchaser to which these Conditions apply.

"Conditions" means the standard terms and conditions of sale set out in this document and (unless the context otherwise requires) includes any special terms and conditions agreed in writing between the Purchaser and the Seller.

"Writing" means telex, cable, facsimile transmission or comparable means of communication.

2. BASIS OF SALE

(a) The Conditions constitute the entire Contract for the sale of Goods by the Seller to the Purchaser.

(b) No variations or waiver of or addition to the Conditions shall be effected unless agreed in writing and signed by a director of the Seller and the duly authorised representative of the Purchaser.

(c) The Seller's employees or agents are not authorised to make any representations concerning the Goods unless confirmed by the Seller in writing. In entering into the Contract the Purchaser acknowledges that it does not rely on, and waives any claim for breach of, any such representations which are not so confirmed.

(d) Any advice or recommendation given by the Seller or its employees or agents to the Purchaser or its employees or agents as to the storage, application or use of the Goods which is not confirmed in writing by the Seller is followed or acted upon entirely at the Purchaser's own risk, and accordingly the Seller shall not be liable for any such advice or recommendation which is not so confirmed.

3. RETENTION OF TITLE ON SALES OF GOODS

Title to the Goods shall remain vested in the Seller and shall not pass to the Buyer until the purchase price for the Goods has been paid in full and received by the Seller.

4. TECHNICAL SPECIFICATIONS

(a) All technical specifications, information and particulars in relation to the Goods and made available by the Seller are believed to be true at time of publication but do not constitute a warranty or guarantee.

(b) The Purchaser shall be responsible to the Seller for ensuring the accuracy of the terms of any order (including any applicable specification) submitted by the Purchaser, and for giving the Seller any necessary information relating to the Goods within sufficient time to enable the Seller to perform the Contract in accordance with its terms.

(c) It is the responsibility of the Purchaser to ensure that the Goods are suitable for any particular application.

5. QUOTATIONS

A quotation by the Seller does not constitute an offer and the Seller reserves the right to withdraw or amend the same at any time prior to the Seller's acceptance of the Purchaser's order.

6. PRICES

(a) The price of the Goods shall be the quoted price or where no price has been quoted (or a quoted price is no longer valid) the price listed in the Seller's published price list current at the date of acceptance of the order. Unless otherwise stated, prices are nett, ex works and exclusive of VAT or other sales tax, which taxes the Purchaser shall be additionally liable to pay to the Seller.

(b) Notwithstanding any acceptance of the said prices by the Purchaser, the right of the Seller is reserved for the same to be increased up to the date of despatch should there be any increase in the Seller's current price list for goods of the same or comparable description to those agreed to be sold which becomes effective prior to the date of despatch, in which case the goods or the undelivered balance thereof shall be invoiced and paid for at the agreed prices plus the amount of the relevant increase.

7. DELIVERY

(a) Delivery of the Goods shall be made by the Purchaser collecting the Goods at the Seller's premises at a time after the Seller has notified the Purchaser that the Goods are ready for collection or, if some other place for delivery is agreed by the Seller, by the Seller delivering the goods to that place.

(b) Any dates quoted for the delivery of the Goods are approximate only and the Seller shall not be liable for any delay in the delivery of the Goods howsoever caused. Time for delivery shall not be of the essence unless previously agreed by the Seller in writing. The Goods may be delivered by the Seller in advance of the quoted delivery date upon giving reasonable notice to the Purchaser.

(c) If the Seller fails to deliver the Goods for any reason other than any cause beyond the Seller's reasonable control or the Purchaser's fault, and the Seller is accordingly liable to the Purchaser, the Seller's liability shall be limited to the excess (if any) of the cost to the Purchaser (in the cheapest available market) of similar goods to replace those not delivered over the price of the Goods.

(d) If the Purchaser fails to take delivery of the Goods or fails to give the Seller adequate delivery instructions at the time stated for delivery (otherwise by reason of any cause beyond the Purchaser's reasonable control or by reason of the Seller's fault) then, without prejudice to any other right or remedy available to the Seller, the Seller may;

- store the Goods until actual delivery and charge the Purchaser for the reasonable costs (including insurance) of storage; or
- sell the Goods at the best price readily obtainable and (after deducting all reasonable storage and selling expenses) account to the Purchaser for the excess over the price under the Contract or charge the Purchaser for any shortfall below the price under the Contract.

8. RISK AND PROPERTY

(a) Risk of damage to or loss of the Goods shall pass to the Purchaser;

- in the case of Goods to be delivered at the Seller's premises, at the time when the Seller notifies the Purchaser that the Goods are available for collection; or
- in the case of Goods to be delivered otherwise than at the Seller's premises, at the time of delivery or, if the Purchaser wrongfully fails to take delivery of the Goods, the time when the Seller has tended delivery of the Goods.

(b) Notwithstanding delivery and the passing of risk in the Goods or any other provision of these Conditions, the property in the Goods shall not pass to the Purchaser until the Seller has received in cash or cleared funds payment in full of the price of the Goods and all other goods agreed to be sold by the Seller to the Purchaser for which payment is then due.

(c) Until such time as the property in the Goods passes to the Purchaser, the Purchaser shall hold the Goods as the Seller's fiduciary agent and bailee, and shall keep the Goods separate of those of the Purchaser and third parties and properly stored, protected and insured and identified as the Seller's property. Until that time the Purchaser shall be entitled to resell or use the Goods in the ordinary course of its business, but shall account to the Seller for the proceeds of sale or otherwise of the Goods, whether tangible or intangible, including insurance proceeds and shall keep all such proceeds separate from any monies or property of the Purchaser and third parties and, in the case of tangible proceeds, properly stored, protected and insured.

(d) Until such time as the property in the Goods passes to the Purchaser (provided the goods are still in existence and have not been resold) the Seller shall be entitled at any time to require the Purchaser to deliver up the Goods to the Seller and, if the Purchaser fails to do so forthwith, to enter upon any of the premises of the Purchaser or any third party where the Goods are stored and repossess the Goods.

(e) The Purchaser shall not be entitled to pledge or in any way charge by way of security for any indebtedness any of the Goods which remain the property of the Seller, but if the Purchaser does so all monies owing by the Purchaser to the Seller shall (without prejudice to any other right or remedy of the Seller) forthwith become due and payable.

9. TERMS OF PAYMENT

(a) Payment of invoices shall be made without any deduction or set off in cash so as to be received by the Seller not later than the last day of the month following the month of delivery of the Goods, unless otherwise agreed in writing. Interest shall be payable on overdue accounts at the rate of two per cent (2%) per month to run from the due date for payment thereof until receipt by the Seller of the full amount whether or not after judgement. The time of payment for the Goods shall be of the essence of the Contract.

(b) If in the case of the Contract or any order involving more than one delivery default is made in payment on the due date the Seller shall have the right to suspend all or any further deliveries pending payment or to terminate the Contract in its entirety by notice in writing to the Purchaser.

10. LIABILITY

(a) The Seller shall not be liable to the Purchaser:

- for shortages of quantity delivered unless the Purchaser notifies the Seller of any claim for short delivery within fourteen days of receipt of the Goods.
- for damage to or loss of the Goods or any part thereof in transit (where the Goods are carried by the Seller's own transport or by a carrier on behalf of the Seller) unless the Purchaser shall notify the Seller of any such claim within fourteen days of receipt of the Goods or the scheduled date of delivery whichever shall be earlier.
- in respect of any defect in the Goods arising from fair wear and tear, wilful damage, negligence, abnormal working conditions, failure to follow the Seller's instructions (whether oral or in writing), misuse or alteration or repair of the Goods without the Seller's approval.

(b) Subject as expressly provided in these Conditions, and except where the Goods are sold to a person dealing as a consumer (within the meaning of the Unfair Contract Terms Act 1977), all warranties, conditions or other terms implied by statute or common law are excluded to the fullest extent permitted by law.

(c) Any claim by the Purchaser which is based on any defect in the quality or conditions of the Goods or their failure to correspond with specifications shall (whether or not delivery is refused by the Purchaser) be notified to the Seller within seven days from the date of delivery or (where the defect or failure was not apparent on reasonable inspection) within a reasonable time after discovery of the defect or failure. If delivery is not refused, and the Purchaser does not notify the Seller accordingly, the Purchaser shall not be entitled to reject the Goods and the Seller shall have no liability for such defect or failure and the Purchaser shall be bound to pay the price as if the Goods have been delivered in accordance with the Contract.

(d) Where any valid claim in respect of any of the Goods which is based on any defect in the quality or condition of the Goods or their failure to meet specifications is notified to the Seller in accordance with these Conditions, the Seller shall be entitled to replace the Goods (or the part in question) free of charge or, at the Seller's sole discretion, refund to the Purchaser the price of the Goods (or a proportionate part of the price) but the Seller shall have no further liability to the Purchaser.

(e) Except in respect of death or personal injury caused by the Seller's negligence, the Seller shall not be liable to the Purchaser by reason of any representation, or any implied warranty, condition or other term, or any duty, at common law, or under the express terms of the Contract, for any consequential loss or damage (whether for loss of profit or otherwise), costs, expenses or other claims for consequential compensation whatsoever (and whether caused by the negligence of the Seller, its suppliers or agents or otherwise) which arise out of or in connection with the supply of the Goods or their use or resale by the Purchaser, except as expressly provided in these conditions.

11. THIRD PARTY RIGHTS

(a) The Purchaser shall indemnify the Seller against any and all claims, costs, demands and expenses incurred by or made against the Seller as a direct or indirect result of the carrying out of any work required to be done on or to the Goods in accordance with the requirements or specifications of the Purchaser involving any infringement or claim of infringement or industrial property right vested in any third party.

(b) In any case where the Goods are or are capable of becoming the subject of any industrial or intellectual property right of any third party the Seller warrants that it shall transfer to the Purchaser only such title as it may have to the Goods.

12. FORCE MAJEURE

(a) The Seller shall not be liable to the Purchaser for any loss or damage which may be suffered by the Purchaser as a direct or indirect result of the Seller being prevented, hindered or delayed in the performance of its obligations under the Contract by reasons of any force majeure circumstances.

(b) In this Condition "force majeure circumstances" shall mean any Act of God, war, riot, strike, lock out, trade dispute or labour disturbance, epidemic, accident, breakdown of plant or machinery, fire, explosion, flood, drought, government action, difficulty in obtaining workmen, materials or transport or other circumstances whatsoever outside the control of the Seller affecting the provision of the Goods and services hereunder or of materials therefor by the Seller's usual source of supply or the manufacture of the Goods by the Seller's normal means of delivery of the Goods by the Seller's normal route or means of delivery.

13. INSOLVENCY OF PURCHASER

(a) This clause applies if:

- the Purchaser makes any voluntary arrangement with its creditors or becomes subject to an administration order or (being an individual or firm) becomes bankrupt or (being a company) goes into liquidation (otherwise than for the purposes of amalgamation or reconstruction); or
- an encumbrancer takes possession, or a receiver is appointed, of any of the property or assets of the Purchaser; or
- the Purchaser ceases to or threatens to cease, to carry on business; or
- the Seller reasonably apprehends any of the events mentioned above is about to occur in relation to the Purchaser and notifies the Purchaser accordingly.

(b) If this clause applies, then, without prejudice to any other right or remedy available to the Seller, the Seller shall be entitled to cancel the Contract or suspend any further deliveries under the Contract without any liability to the Purchaser, and if the Goods have been delivered but not paid for the price shall become immediately due and payable notwithstanding any previous agreement or arrangement to the contrary.

14. GENERAL

(a) The failure on the part of the Seller to exercise or enforce any rights conferred by the Contract shall not be deemed to be a waiver of any such right nor operate so as to bar the exercise or enforcement thereof at any time or times thereafter.

(b) Any notice required or permitted to be given by either party to the other under these Conditions shall be in Writing addressed to that other party at its registered office or principal place of business or such other address as may at the relevant time have been notified pursuant to this provision to the party giving the notice.

(c) Headings to any of these Conditions are included to facilitate reference only and shall not affect the construction thereof.

(d) The Contract shall be governed by and construed and interpreted in accordance with the laws of England and for the purpose of settlement of any dispute arising out of or in connection with the Contract the parties hereby submit themselves to the jurisdiction of the English courts.

(e) If any provision of these Conditions is held by any competent authority to be invalid or unenforceable in whole or in part the validity of the other provisions of these Conditions and the remainder of the provision in question shall not be affected thereby.

15. DATA PROTECTION

Your data will be used by All Print Supplies Ltd. only for research and analysis purposes and to advise you of products, services and special promotions.

You may ask us for details of the personal data that we hold on you and can require us to correct it if appropriate. Please refer to our Privacy Notice.

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