

DigiPRINT **DS1000 Crystal Clear**

UV ink-jet printable UV blocking scratch resistant gloss optically clear polyester film

Product description

DS1000 50µ gloss optically clear top coated scratch resistant polyester offers excellent optical clarity and dimensional stability combined with good solvent, humidity, elevated temperature and 5 year 98% UV blocking* performance (*when applied to the inside of glass). Top coat is specifically designed to ensure good print definition and adhesion of UV digital inks. DS1000 is coated with PUV optically clear high performance acrylic adhesive which exhibits excellent optical clarity, flow-out and UV stability.

Facestock: 50µ gloss ultra-clear scratch resistant top coated polyester offers excellent optical clarity and dimensional stability combined with good solvent, humidity, elevated temperature and UV resistance. Designed to be UV digital printed. The top coating ensures excellent ink adhesion combined with superior scratch resistance of non-printed areas.

Adhesive: PUV ultra-clear UV blocking permanent acrylic adhesive exhibits excellent UV, chemical, humidity and temperature resistance. PUV has been specifically developed for clear film applications requiring enhanced UV protection combined with excellent optical clarity, flow out and resistance to ooze.

Liner: 50µ clear polyester release liner specifically designed to ensure adhesive smoothness and optimum adhesive flow out.

Typical applications

Printed graphics to be applied to flat glass, clear window labels and decals.

Typical industry sectors

Architectural signage, manifestations, point-of-sale and exhibition graphics.

General characteristics

Properties	Typical values		Unit of measure	Test method
Physical	Facestock Adhesive Liner		50µ ± 10% 21gsm ± 10% 50µ ± 10%	FTM 12
Peel adhesion: Stainless steel Glass	Initial 7.9 10.2	24 hours 9.0 11.4	N/25mm @ 23°C, 50% RH	
Shear resistance	>650		Minutes @ 40°C	
Dimensional stability	Excellent		<1mm	
Chemical resistance	3.5- Good		Grey scale 1=poor 5=superior	
Min. application temperature	+4°C		Celsius	
Service temperature range	-40°C to +135°C		Celsius	
Durability	5 years*		Vertical exposure through glass	

Note: Please refer to our UV cured printable polyesters information sheet for printing and application information.

The representations of performance and suitability for use contained in this data sheet are meant only as a guide. Since only the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for that intended use. ©1995 RoHS2 compliance: This product is in compliance with European parliament directive 2011/65/EU which restricts the use of certain hazardous substances in electrical and electronic equipment. All technical information is based on manufacturer's claims and is believed to be true at time of print but does not constitute a warranty. Due to the complexity of end use the purchaser should carefully consider the fitness and performance of the product for his own application or use. We reserve the right to make changes to specifications without prior notice.

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