

**Description** Fortis Angel Gloss PPF. G10.20C is a clear ultra gloss Paint Protection Film. 10 year aliphatic polyurethane film, 200 mic film and adhesive thickness, permanent adhesive, polyester liner.  
 Fortis range of PPF films for the invisible protection and easy maintenance of vehicles. 10 year highly transparent aliphatic polyurethane film with a hydrophobic self-healing top coat for full car protection or protecting high risk vehicle parts. Excellent scratch, stain and impact resistance built in. 200µ overall thickness for maximum protection from stone chips with a heat activated self healing, water and stain repellent top coating. Excellent UV, temperature, humidity and salt-spray resistance. Permanent adhesive suitable for the new generation of automotive clear coats.

**Key Features** 200 micron ultra high gloss film for maximum protection.  
 For flat and curved long term surfaces.  
 Self-healing top coat.  
 10 year external life.  
 Available up to 1520mm wide.

**Conversion** Primarily for paint protection but can be CAD cut, PET CAP sheet should be removed prior to cutting.

**Precaution**

**Application** Wet application.

**Compliance** REACH and RoHS compliant

**Fire Certification** Not Applicable

**Face Material** Aliphatic Polyurethane (TPU)  
**Face Thickness** 165µ thick  
**Adhesive** Ultra clear permanent solvent acrylic  
**Adhesive weight** Nominal 35gsm  
**Perceived Tack** Medium Tack Repositionable / Permanent  
**Liner** Polyester liner  
**Dimensional stability** Not applicable  
**Conformability** 3D Complex curves  
**Optimal application temp** +15 to 25°C  
**Min application temp** +10°C on stainless steel or glass  
**Max application temp** +30°C  
**Intermittent service temp** -30 to 100°C  
**Shelf-life** 2 year

**Adhesive Data (Nominal)**

180° Peel Adhesion N/25mm

	Stainless Steel	Glass	Polypropylene	MDF
20 min	12	14	2	1
24 hour	16	16	2	1
1 week	17	17	2	2

**Chemical Resistance**

The unprinted film can be wiped clean with water and diluted household detergents. Resistant to mineral oils, fats and fuels, aliphatic solvents, mild acids, salt and alkali, diesel oil, gasoline, paraffin, hydraulic oil, antifreeze, soap suds, etc.

**Outdoor Durability**

10 year unprinted Zone 1 (Northern Europe, North America) vertical exposure  
 8 year unprinted Zone 2 (S. Europe, Central & S. America, Asia Pacific) vertical exposure  
 6 year unprinted Zone 3 (Middle East, Africa & desert areas) vertical exposure

**Important**

The nominal values shown are based upon research and test methods on unprinted material and are provided without guarantee and do not constitute a warranty. Users are advised to ensure that performance and reliability are not compromised by determining the suitability of each product prior to its intended use. Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids etc. may eventually cause deterioration. Actual performance will depend on substrate preparation, exposure conditions and correct application. For further information on the test methods used refer to [www.nu-coat.com/testmethods](http://www.nu-coat.com/testmethods). Nu-Coat Limited will not be liable for any indirect or consequential loss.