Mactac Protect Base

PRODUCT DESCRIPTION

Mactac Protect Base is a 190 µm gloss, optically clear, top-coated self-adhesive thermoplastic Polyurethane (TPU) film. The film is delivered with a PET protective sheet with a clear gloss finish. The heat-activated self-healing top-coat helps to enable healing of minor scratches when heated. The design of the film contributes to stain resistance and improved outdoor performance.

Face Material: 160 µm top-coated thermoplastic polyurethane (TPU) film

Adhesive: Permanent acrylic adhesive

Liner: 75 µm PET liner

TYPICAL USE

Mactac Protect Base is an engineered top-coated paint protection film created to protect a vehicle's finish. The film is designed to reduce the impact of stone chipping, road debris and insects. Mactac Protect Base is also ideal to protect exposed vehicle surfaces such as side mirrors, spoilers, rocker panels, etc. The film offers optimal protection on vehicles and needs to be applied to fully cured painted surface.

PROCESSING

Mactac Protect Base must be applied following the instructions in TB 8.0. "Application guide: Mactac Protect Series", available from the resource section at www.mactacgraphic.eu. Mactac Protect Base can be easily sized by manual cutting or digital cutting plotters. The film can also be used on top of applied Mactac Colour Wrap Series products that were applied previously.

Note: Always remove the protective PET sheet before converting, using a plotter or flatbed cutter. Always store unused material on the roll, tightly wounded and secured. Do not leave cut pieces untight with the PET protective sheet. The compatibility with paints and lacquers should be tested by the end-user, prior to application. The compatibility with other application liquids, gels or cleaning products than those recommended in TB 8.0. "Application guide: Mactac Protect Series" should be tested by the end-user, prior to application.

SHELF LIFE

One year when stored at 22 °C and 50-55% rH (in the original packaging)

PHYSICAL PROPERTIES (TYPICAL VALUES)

	Average Values	Test Method
Thickness		
Film + Adhesive	190	ISO 534
Face Material data, 23°C		
Tensile Strength (MPa)	18	ISO 527
Elongation at Break (%)	250	ISO 527
Adhesive data, 23°C (N/25 mm) Peel adhesion 180° on stainless steel		
- 20 min. residence	14	FTM1
- 24 hour residence	19	FTM1
Dimensional stability		
Shrinkage (1 week at 70°C applied on Aluminium)	0.1%	FTM14
Temperature ranges		
Application (°C)	15	
End-use (°C)	-40 to 100	
Solvent and chemical resistance		
Gasoline, Carwash, Anti-freeze, Diesel, Iso-propyl Alcohol, Heptane, 10% Sulphuric Acid	Immersion exposure for 30 mins	No significant change

EXPECTED DURABILITY

5 years

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DISCLAIMER

For more information on the durability and exposure please visit the “Mactac Technical Bulletin TB 7.5 Outdoor Durability of Mactac Graphics - Self-adhesive films” on the www.https://www.mactacgraphics.eu website.

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