

Avery Dennison® Supreme™ PPF X5

Premium Grade Paint Protection Film

Features:

- X-Proof Plus™ top-coated high gloss finish
- Heat activated self-healing top coat provides excellent scratch resistance
- Highly conformable aliphatic polyurethane (PU) film
- Superior protection of OEM painted surfaces from stone chips, road debris, insect stains and weathering (Mustard stain test)
- Exceptional optical clarity providing invisible protection
- Outstanding durability and outdoor life
- Excellent UV, temperature, humidity, chemical and salt-spray resistance
- Excellent adhesion to new generation of automotive clear coats
- Protective PET top sheet helps maintain gloss and surface uniformity during transport*

Conversion

- | | |
|-------------------------------------------------------|----------------------------------------------|
| <input checked="" type="radio"/> Flatbed cutters | <input type="radio"/> Cold overlaminating |
| <input checked="" type="radio"/> Friction fed cutters | <input type="radio"/> Electrostatic printing |
| <input checked="" type="radio"/> Die cutting | <input type="radio"/> Latex inkjet |
| <input checked="" type="radio"/> Hand Cutting | <input type="radio"/> Eco solvent inkjet |
| <input type="radio"/> Screen printing | <input type="radio"/> Solvent inkjet |
| <input type="radio"/> Offset printing | <input type="radio"/> UV curable inkjet |

Application

- Wet application recommended. Soap Solution: Combine 100% distilled water with 2 ml of soap per litre of water.
- For installation tips and guides please refer to Avery Dennison® Instructional Bulletins:
 - 1.01 Substrate Cleaning and Preparation
 - 1.15 Application Instructions for SPF Supreme Protection Film

*Note: Always remove the protective PET top sheet immediately after cutting material from the roll or before converting using a plotter or flatbed cutter. Always store unused material on the roll and tightly wound and secure.

Uses

Avery Dennison® Supreme™ PPF X5 Paint Protection film is designed as an optically-clear film, ideal for superior protection of OEM painted surfaces from stone chips, road debris, insect stains and weathering. Used as a protective film in automotive, RV, marine and architectural markets.

Description:



Film: 165 micron gloss clear top-coated aliphatic polyurethane (PU) film



Adhesive: Permanent, acrylic based



Backing: 75 micron Polyester



Warranted Period: 7 Years**

Application surface:

Flat, simple curves, and compound curves

Common Applications:

- Automotive
- Marine
- Recreational Vehicles
- Architectural

General

Calliper, face film	ISO 534	165 micron
Calliper, face film & adhesive	ISO 534	203 micron
Tensile strength	ISO 527	20 MPa
Mil. spec. shrinkage	FINAT , FTM-14	<0.1%
Elongation	ISO 527	300%
Adhesion, initial	FINAT FTM-1, Stainless steel	550 N/m
Adhesion, ultimate	FINAT FTM-1, Stainless steel	750 N/m
Shelf life	Stored at 22° C/50% RH	1 years
Warranted Period**	Zones 1, 2 and 3	7 years

Thermal

Application temperature	Between 15°C & 30°C
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Chemical

Gasoline, 30 min		No effect
Car Wash solution, 30 min		No effect
Antifreeze, 30 min		No effect
Diesel, 30 min		No effect
Heptane, 30 min		No effect
10% Sulphuric acid, 30 min		No effect
Solvent resistance	Isopropyl Alcohol / Water (20/80)	No effect

Testing Methods

Dimensional stability:

Is measured on a 150 x 150 mm aluminium panel to which a specimen has been applied; 72 hours after application the panel is exposed for 48 hours to + 70°C, after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel or float glass panel, 24 hours after the specimen has been applied under standardised conditions. Initial adhesion is measured 20 minutes after application of the specimen.

Flammability:

A specimen applied to aluminium is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Important

Information on physical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of any material for their specific use.

All technical data is subject to change without prior notice.

Warranty

Avery Dennison® materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give guarantee, warranty, or make any representation contrary to the foregoing.

All Avery Dennison® materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

**Warranted Period Definitions

The warranted period is the maximum period of time Avery Dennison® will warrant the finished products performance in accordance with the Supreme™ PPF Warranty Terms and Conditions, provided that the film is properly stored, converted and installed in accordance with Avery Dennison® guidelines. Warranty is based on outdoor exposure conditions in Zones 1, 2 and 3, unless otherwise stated, and applied to recommended substrates. For details on warranted period please see Supreme™ PPF Warranty Bulletin.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Corrosion Resistance:

A specimen applied to aluminium is exposed to saline mist (5% salt) at 35°C. After exposure, the film is removed and the panel is examined for traces of corrosion.