

PRODUCT DATA SHEET

Avery Dennison® Paint Protection Film SPF Gloss Black

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Introduction

AD Supreme Protection Film SPF-Gloss Black is a premium engineered thermoplastic polyurethane film in gloss black finish, designed to protect a vehicle's finish against stone chips, road debris, insect stains, small to medium scratches, chemical stains and weathering, without degrading the original paint. SPF-Gloss Black has a "self-healing" top coat, which helps small scratches in the film disappear when the film is exposed to heat.

Avery Dennison Supreme Protection Films SPF-Gloss Black is also validated for application above the water-line in the marine environment in combination with the Avery Dennison Edge Sealer. Our top-performing best-in-class protection films are designed to protect your vessel's hull surface from regular wear and tear, scratches and weathering avoiding damages on the paint, wrap or the gelcoat of the hull, helping maximizing the retention of the boat's value while giving you the opportunity to change the color of parts of your marine vessel.



Face Film

165 micron, top-coated thermoplastic polyurethane protected with PET sheet



Adhesive

Permanent, UV resistant, solvent acrylic base



Backing

PET liner



Durability

Zone 1 vertical 10 years



Shelf Life

1 year Stored at 22°C 50-55 % RH

Conversion

SPF-Gloss Black is designed for vehicle paint and painted surface protection purposes and is easy to size by manual cutting during application or digital cutting plotters. It is also possible to apply SPF-Gloss Black on top of pre-existing and applied Avery Dennison Supreme Wrapping Film™. Material should be applied using the wet application method. For more information please refer to [TB. 6.0 Application Instructions for Avery Dennison™ SPF Series](#) and [TB 6.3 Marine Application of Avery Dennison® Paint Protection Films](#).

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.

Recommendations

For automotive applications:

- » Protection of the highly sensitive external surfaces of the vehicle , such as bumper, side mirrors, hood & wheel arches
- » Protection of painted internal metal surfaces , such as luggage racks or chairs in busses or trains
- » Protection of painted metal surfaces in high traffic areas , such as reception desks, door impact areas, wall panels and more
- » Partial colour change to high gloss black to accentuate specific car parts , such as roof, mirrors, hood and more

For marine applications:

- » Protection of high exposure areas such as the fender rub, buoys areas, bathing platforms, wear areas of the hull in combination with the Avery Dennison Edge Sealer to protect the film edge.

Features

- » Top- coating - increases the resistance to external damages
- » "Self-healing" - helps small scratches in the film disappear when the film is exposed to heat
- » Up to 10 years protection- maintaining the quality of vehicle finish
- » Exceptional visual properties - enhancing the look of the vehicle with high gloss & deep black finish
- » Premium grade, conformable thermoplastic polyurethane (TPU) film.

For marine applications:

- » Premium Protection of the boat's hull against wear and tear from sand, salt and humid marine environment.
- » Improved resistance against weathering and stains.
- » Heat-assisted self-healing film for long lasting appearance.
- » Up to 7 years protection - improve life and resale value of your boat by protecting the hull surface.
- » New aesthetic opportunities for the look of your boat such as changing the color of part(s) of your marine vessel.

Physical Characteristics

	Test method	Results
Product		
Caliper, facefilm (micron)	ISO 534	165
Caliper, facefilm + adhesive (micron)	ISO 534	200
Caliper, liner (micron)	ISO 534	90
Gloss (GU)	ISO 2813, 20°	> 90 GU
Dimensional stability (mm max.)	FINAT FTM 14	0.15
Shelf life (years)	Stored at 22° C/50-55 % RH	1
Adhesive		
Tensile strength (MPa)	ISO 527	>20
Elongation @break (%)	ISO 527	>200
Adhesion, initial 180° 20 min (N/m)	FINAT FTM-1, stainless steel	>350
Adhesion, ultimate 180° 72 hours (N/m)	FINAT FTM-1, stainless steel	>600
Temperature range		
Application temperature (Minimum: °C)		10
Service temperature (°C to +°C)		-40 to +100
Chemical properties¹		
Gasoline resistance	30 min	No Significant Change
Diesel resistance	24 hours	No Significant Change
Water & Soap	24 hours	No Significant Change
Mild Acids	4 hours	No Significant Change
Cleaning Fluid	24 hours	No Significant Change
Motor Oil	24 hours	No Significant Change

Durability for Automotive Applications²

	Zone 1	Zone 2	Zone 3
Vertical	10 Years	8 Years	6 Years
Horizontal	7 Years	4 Years	3 Years

Durability of Avery Dennison Paint Protection Film SPF Gloss Black for marine applications reduces by 30% of the durability for automotive applications in all zones and applied orientations

Heat Aging	500 hrs@90°C	dE<2
Water Inmersion	400 hrs@40°C	No Significant Change

Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. 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 this material to their specific use.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

1) Prolonged immersion in gasoline and similar fluids is not recommended.

2) Durability: The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased..

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