

TECHNICAL DATA SHEET

GLOBAL PREMIUM PPF

Premium Paint Protection Film · High Gloss

Global Premium PPF is an advanced paint protection film consisting of a high-performance adhesive, an ultra-transparent TPU film, and an innovative self-healing coating. This precision-engineered multi-layer system reliably protects vehicle paint surfaces against stone chips, scratches, and abrasion. Thanks to self-healing technology, the finest surface scratches are autonomously regenerated — for a permanently flawless appearance. With outstanding optical clarity and excellent chemical resistance, Global Premium PPF sets the standard in paint protection.

KEY FEATURES

Excellent optical clarity

Outstanding stain resistance

No yellowing

Hydrophobic properties

Self-healing properties

Outstanding chemical resistance

Easy installation on curved surfaces

FILM CONSTRUCTION

Layer	Thickness
Capshield / Transport Protection Film	50 μ
Self-Healing Coating	14 μ
TPU Film	150 μ
PSA Adhesive	30 μ
Release Liner	76 μ

Nominal Thickness (TPU + PSA + SH Coating): 194 μ $\pm$ 10 %

Application	The recommended surface and ambient temperature of the vehicle should be between 20 °C and 30 °C. The application should be carried out in a dust-free area and without direct sunlight.
Storage	The shelf life of this film is one year when stored in its original packaging at a temperature between 18 °C and 26 °C and a relative humidity of 50 % to 60 %.

NOTICES

The values listed here are typical values and serve exclusively as an information source. Before application, the user must verify the suitability of the product for its intended use and assumes all risks and liabilities.

PERFORMANCE PROPERTIES

No.	Property	Test Standard	Unit	Typical Value
Mechanical Properties				
1	Peel Strength: 20 min at 24 °C	FTM 01	kg/cm	> 0.0315
2	Peel Strength: 72 hours at 24 °C	FTM 01	kg/cm	> 0.472
3	Gloss at 60°	ASTM D-2457	GU	> 85
4	Tensile Strength	ASTM D-882	MPa	> 15
5	Elongation	ASTM D-882	%	> 200
Aging Resistance				
6	Heat Aging — 80 °C / 24 hours	Internal	—	Passed — no adverse effects
7	Water Immersion — 40 °C / 24 hours	Internal	—	Passed — no adverse effects
Stain Resistance				
8	Water and Soap Resistance (10 min drop)	Internal	—	Passed — no adverse effects
9	Battery Acid — 10 min drop test	Internal	—	Passed — no adverse effects
10	Diesel — 10 min drop test	Internal	—	Passed — no adverse effects
11	SAE Motor Oil — 10 min drop test	Internal	—	Passed — no adverse effects
12	Hydraulic Oil — 10 min drop test	Internal	—	Passed — no adverse effects