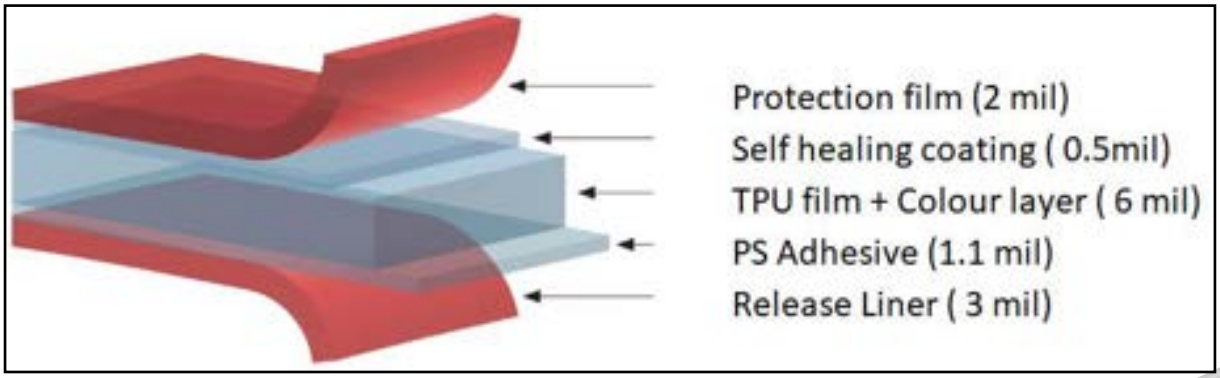
Technical Data Sheet

WINDSHIELD PRO+

Global External Windshield Protection Film is a specially formulated paint protection film consisting ofhigh- performance pressure sensitive adhesive, ultra-clear Polyurethane film and unique self- healing coating to protect windshield from minor scratches and glass cracking due to flying stone chips during driving with excellent hydrophobic property.

Product Construction:



Nominal Thickness (Polyurethane film + PSA + SH Caoting): 180 + 10%

Performance Properties:

Sr. No.	Properties	Testing Standards	Measurement Unit	Typical Value
1	Peel Strength	FTM 01	kg/in	>0.3
2	Gloss at 60˚	ASTM D-2457	GU	>85
3	Tensile Strength	ASTM D-882	Mpa	>10
4	Elongation at break	ASTM D-882	%	>100
5	Visual Light Transmittance	ASTM D-1003	%	>90
6	UV Rejection	ASTM D-1003	%	>99
7	Surface Contact Angle	ASTM D-5946	˚	>100˚

Excellent optical clarity

Self-healing property

Hydrophobic property

Excellent chemical resistance

Easy for installation on curved surfaces

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Post Care & Maintenance:

1. Do not operate windshield wipers in dry conditions.
2. Recommended usage of silicone wiper blades as it is of utmost importance to avoid wiper scratches. Replace silicone wipers as needed.
3. Reapply ceramic coating every two months to help keep the windshield surface clean.
4. Ensure that the film is completely dry and cured before using the windshield wipers.
5. Use soft microfiber towel to wash and dry the film surface.
6. Do not clean the film in dry conditions always use washing solutions while cleaning.
7. Remove ice and snow buildup on the film surface before operating the windshield wipers.
8. Replace silicone-type or silicone-coated windshield wipers as needed.
9. Remove contaminations like bird droppings, dirty washer fluid, other contaminants sit on the film as soon as possible. This may lead to contamination and stains on the film.
10. Do not point high pressure nozzle tip pointing directly at the edges of windshield film.

Limited Warranty:

1 Year for manufacturing defects like delamination, discoloration

Exclusion from Warranty Coverage and Safety Notice:

1. Windshield film is not warrantied against wear and tear from rock chips, windshield wipers, and if post care and maintenance is not followed as per recommendations.
2. Recommend not to operate vehicle if Windshield film peels off, cracks, bubbles, yellow or with loss in transparency/ scratches as it may cause serious damage or injury to you, your vehicle or other persons. We hereby disclaim liability for such damages or injuries caused because of such conditions.

Application Conditions:

Recommended vehicles surface and ambient air temperature should be between 20˚C to 30˚C. Application should be done in dust free area and away from direct sunlight.

Storage Conditions:

The shelf life of this film is 1 year when stored in its original packaging with temperature ranging from 18˚C to 26˚C and Relative Humidity 50 to 60%.

Notes:
The values listed here are in typical values. They are intended only as a source of information. Prior to application, the user must determine the suitability of the product for its intended use and assumes all risks and liability. Refer PPF application manual for more details.

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