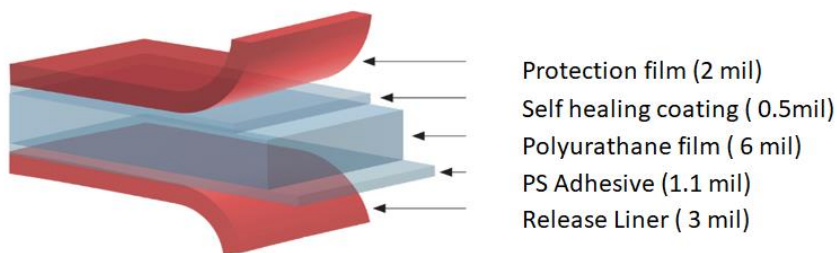


External Windshield Protection Film: Dev Technical Data Sheet

Global External Windshield Protection film is specially formulated film consists of high-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 Coating): $180 \pm 10\%$

Key Features:

- ✓ Excellent optical clarity
- ✓ Self-healing property
- ✓ Hydrophobic property
- ✓ Excellent chemical resistance
- ✓ Easy for installation on curved surfaces

Performance Properties:

Sr. No.	Properties	Testing Standards	Measurement Unit	Typical Values
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	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°

Post Care & Maintenance:

- a. Do not operate windshield wipers in dry conditions.
- b. Recommending usage of silicone wiper blades, as it is utmost important to avoid wiper scratches. Replace silicone wipers as needed.
- c. Reapplying ceramic coating every two months which helps to keep windshield surface clean.
- d. Ensure that the film is completely dry and cured before using the windshield wipers.
- e. Use soft microfiber towel to wash and dry the film surface.
- f. Do not clean the film in dry conditions always use washing solutions while cleaning.
- g. Remove ice and snow buildup on the film surface before operating the windshield wipers.
- h. Replace silicone-type or silicone-coated windshield wipers as needed.
- i. 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.
- j. 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:

- a. 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.
- b. 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 a dust free area and away from direct sunlight.

Storage Condition:

The Shelf life of this film is one year when stored in its original packaging at the temperature ranging from 18 to 26 ° C and Relative Humidity 50 to 60 %.

Notes:

The values listed herein are 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 risk and liability. Refer application manual for more details.