



ARLON

## ▶ Arlon Clear Protection Film Shield

### Clear Thermoplastic Polyurethane (TPU) Paint Protection Film

Arlon Clear Protection Film Shield Series is a 190 micron (7.5 mil) advanced line of transparent, self-healing Paint Protection Films (PPF) designed to safeguard vehicle finishes from stone chips, road debris, environmental contaminants, and minor abrasions. Utilizing advanced Thermoplastic Polyurethane (TPU) technology, the Clear Protection Film Shield Series delivers a professional-grade finish (when installed to specification) with extended durability, optical clarity, and high-gloss finish. The film's unique properties ensure enhanced, long-term protection up to 7 years, maintaining the vehicle's aesthetic appeal.

### APPLICATIONS & FEATURES

#### SHIELD – Advanced Protection for Real-World Driving Conditions

A professional-grade PPF engineered for durability, clarity, and consistent performance under real-world driving conditions. The Arlon Clear Protection Film Shield is engineered for enhanced protection of automotive paint finishes.

- **7-Year Outdoor Durability\***

Designed to protect your vehicle through continued use and extended service life.

- **Extended OEM Paint Preservation**

Offering advanced UV filtering.

- **High Optical Clarity**

Maintains paint colour and gloss with clean, near-invisible coverage.

- **Advanced Self-Healing Topcoat Technology**

Topcoat that self-heals minor scratches and swirl marks when exposed to heat (e.g., sun, hot water, engine heat).

- **Advanced Hydrophobic Performance**

Improved water and dirt repellency helps the vehicle stay cleaner over time.

- **Enhanced Stain & Contaminant Resistance**

Designed to resist common environmental contaminants such as bird droppings, bug splatter, and road oils, helping minimize staining from pollutants.

- **Low-Maintenance Surface**

A smooth surface designed to reduce buildup and support a clean, well-kept appearance.

### PERFORMANCE & PHYSICAL DATA

PROPERTY	TEST METHODS	TYPICAL VALUE
SURFACE FINISH	Gloss Meter 60° Reflection	≥90 Gloss Units (Gloss)
THICKNESS	Micrometer, Federal Bench Type	7.48-mil (190 micron)
TENSILE STRENGTH	PT-6081G	>15 MPa
ELONGATION	Test Method as above	≥ 150%
SHELF LIFE (IN BOX)	Ideal Storage Temperature 21°C and 50% relative humidity	18 months from factory shipment
APPLICATION TEMPERATURE RANGE	On clean, dry substrate (ideal application temperature of 20-25°C)	10°C to 35°C (50°F to 95°F)
SERVICE TEMPERATURE RANGE	On clean, dry substrate (no impact on appearance or performance)	-18°C to 82°C (-0.4°F to 180°F)
DURABILITY	Outdoor up to:	7 years*
PEEL ADHESION	GB/T 2790-2014 20 minutes	>1400 gf, >1.4kg/cm

\*) Zone 1

Standard Terms & Conditions Apply

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## TERMS & CONDITIONS

The warranties offered in Arlon's Standard Terms and Conditions, which are incorporated in full by this reference and are available at [https://www.arlon.com/eu\\_en/legal/terms-and-conditions-eu\\_en](https://www.arlon.com/eu_en/legal/terms-and-conditions-eu_en), are made in lieu of all other express or implied warranties.

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