

TORIAN® LightShield™

Description

The Torian LightShield Series is a premium range of thermoplastic polyurethane (TPU) headlight protection films designed to provide both functional protection and cosmetic enhancement for modern automotive lighting. Combining advanced impact resistance with stylish optical tint finishes, LightShield delivers the perfect balance of durability, clarity, and design, ideal for custom black packs and motorsport aesthetics.

LightShield Chromatic Clear to Black:

A cutting-edge photochromic headlight protection film that transitions from clear to a subtle black tint under UV exposure, maintaining clarity by day and a darkened aesthetic at night.

LightShield Light Grey:

A soft, refined tint that enhances modern vehicle styling while maintaining excellent light transmission and compliance for road use.

LightShield Light Black:

A deeper, sportier tone that delivers a sleek and aggressive appearance while still allowing strong beam output and road visibility.

LightShield Smoked Black:

The boldest option in the range, ideal for black pack styling or motorsport applications where a dramatic, stealth-inspired aesthetic is desired.

Face Film

Film Type:	Thermoplastic Polyurethane (TPU)
Finish:	Transparent Optically Clear Gloss
Film Thickness:	130 microns (5.12 mil)
Top Coat:	Self-healing, hydrophobic

Adhesive

Type:	Clear pressure sensitive solvent acrylic-based adhesive
Application Temperature:	+15° C to +35° C
Service Temperature:	-30° C to +90° C

Liner

140grm² Silicone coated PET (Polyester) liner

Durability

Northern Europe up to 1 year

*durability terms can vary by installation conditions.

Benefits & Features

- High-Impact TPU Construction that protects headlight lenses from stone chips, debris, and road abrasion.
- Self-Healing Surface Technology that eliminates light surface scratches and swirl marks with gentle heat or sunlight.
- UV, Weather & Chemical Resistant that will prevent yellowing, fading, or cracking for long-lasting optical performance.
- Hydrophobic Coating that repels water, dust, and grime for easier cleaning and improved visibility.
- Optically Clear Adhesive System to ensure distortion-free light projection and flawless finish.

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- Easy Installation & Clean Removal the flexible TPU allows precise application and residue-free removal, ideal for customisers and professional installers.
- Enhances vehicle aesthetics with a choice of stylish tint levels.
- Provides protection from impact damage, extending the life of expensive headlight units.
- Allows easy personalisation without permanent modification.
- Ideal for motorsport, black pack, and premium vehicle styling applications.
- Maintains optical clarity and beam performance in all lighting conditions.

Storage

Rolls should be stored vertically, in their original packaging and in a dust free environment. Typically, with relative humidity at max. 50% and between +18°C to +22°C for a maximum of up to 1 year.

Roll Dimensions

1520mm x 15m (12kg)
300mm x 15m (3kg)
300mm x 5m (1kg)

Torian® Warranty

Due to the great variety of substrates and the growing number of new applications, the installer must check the suitability of the product for each application. In case of doubt, please request an expert evaluation of the compatibility of the film and the surface in question. All of the published information is based on measurements regularly performed in the laboratory. The published information does not however constitute a binding guarantee. The seller cannot be held liable for indirectly related damages and assumes no liability for claims that are higher than the replacement value of the purchased product. All specifications are subject to potential changes without prior notice.