



MARCH 2022

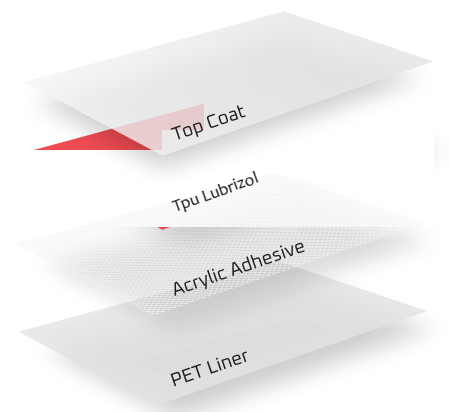
Technical Data Sheet

General Description:

HI-TECH ULTRA GLOSS is a high-performance film, designed to protect vulnerable surfaces from the damage caused by impact and abrasion. A 180 μ (micron) aliphatic urethane coated with a pressure sensitive repositionable acrylic adhesive is topped off with our state-of-the-art clear coat technology, offering a highly durable finish with both self-healing and hydrophobic attributes.

Warranted against manufacturing defects including UV degradation, bubbling and cracking, HI-TECH FILM applies easy and maintains its clarity and durability in a wide range of environments, providing improved chemical and mechanical resistance.

Product Thickness (Micrometer)	8MIL / 203 MICRONS
Peel Strength (ASTM D3300)	1500gf/in (+500)
Elongation % (ASTM D882)	190% (+20)
Gravelometer (ASTM D3170)	Pass (No ruptures)
Outdoor Weathering Q-UV (dE*ab, 1000hr (ASTM G154))	1% under
Outdoor Weathering Q-SUN (dE*ab 1000hr (ASTMG1544)	1% under



Recommended Shelf Life – 2 years from date of purchase
Recommended Storage Conditions - 72°F (22°C) @50% RH
Recommended Film Handling - Always ensure film is wound tight and taped firmly in between usage

Important notice to purchaser: All statements, technical information and recommendations are based on independent test results as shown above. Before using any product in any application, it is recommended that testing for suitability for intended use is carried out.



MARCH 2024 Update

After Care Instructions

Important note:

Film should be left for a minimum of 48 hours after installation to allow the adhesive to fully cure. During this time moisture may be visible under the film – this should be left to fully evaporate completely. Any fitting marks in the adhesive should be allowed to settle and over time should completely disappear. Temperature and environmental conditions all have an affect on this process so please allow for some variation in time.

Once fully cured, please follow the simple maintenance procedures below, to retain the superior finish of the product

Regular maintenance:

Always remove contaminants (insect debris, bird droppings etc.) using products such as fined compounds as soon as possible. If left on the film for prolonged periods this organic matter may damage the surface and stains can form, just as if left on untreated paintwork.

Washing and Drying:

Use a pH neutral shampoo such as johnson baby for best results. We recommend using a lambswool mitt for a gentler clean, always ensure that a grit guard or twin bucket method is used to avoid contaminating the mitt. If using a pressure washer, ensure lance is at least a metre away from the surface of the film and avoid directing jet towards edges to prevent lifting. Use FOAM as a pre wash treatment to help remove dirt and grime. Use a normal moisture absorbent cloth to dry the film the same as you would the rest of the vehicle.

Polishes and sealants:

HI-TECH superior top coat technology offers a high gloss shine and hydrophobic abilities, this can be further enhanced with the application of coatings and sealants, however always do a test patch first to ensure compatibility (not all products are suitable) – we recommend the use of simple quick detailer style sprays to help maintain the surface and reduce dust build up.

Cleaning edges:

Over time wax and dust can stick to the edges of the film. To clean; use a regular cotton swab dipped in 70% IPA (Isopropanol alcohol) and wipe away from the edge of the film to remove any residue.

Things to avoid:

Always avoid polishes that contain abrasives, petroleum or solvents as these can damage the surface of the film, always use synthetic based polishes never carnauba-based waxes. Polishing equipment may be used but at slow speed and with minimal force.



MARCH 2024 Update

Warranty Statement

General Consumer terms and conditions

HI-TECH FILMS is warranted against manufacturing defects such as crazing, cracking, bubbling or surface degradation from UV exposure for up to 10 years so long as the original purchaser owns and operates the vehicle on which the film is installed. In order for the product to remain in excellent condition it is important that the regular after care procedures are followed repeatedly during ownership.

General storage and handling recommendations

The film has recommended shelf life of two years prior to installation providing it is stored in the recommended conditions of 72°F (22°C) @ an average 50% humidity. Once opened film should be stored in either an upright position or suspended from the core so no pressure is placed on the substrate. In between usage the film should be kept wound tight and taped firmly to avoid tunnelling.

Limited Liability Warranty terms and conditions

HI-TECH FILMS Protection Film against discoloration, fading, cracking or bubbling. The warranty is valid as long as the installation is performed in accordance with manufacturer's recommended installation procedures and is non transferable. The warranty does not cover any defects; including but not limited to peeling, installation bubbles or misalignment. This warranty does not apply to damage to the product caused by erroneous application, accidental or negligent misuse, exposure to corrosive or abrasive materials, or by direct impact from road debris.

If **HI-TECH FILMS** fails to conform to the warranty during the applicable period, purchaser may obtain replacement at any installation location worldwide where such an installation centre is carrying and installing **HI-TECH FILMS** Protection Films. The obligation of company under this warranty is limited to replacement of defective film; for which liability cannot exceed purchase price of said film. Proof of purchase will be required by the authorized installer to substantiate any warranty claim. Any purchaser desiring to assert a warranty claim should contact their original installer first hand. This warranty is exclusive and in lieu of all other warranties, expressed or implied, including but not limited to warranties of merchantability and/or fitness for a particular purpose. All other warranties, except those set forth above are expressly excluded. The said warranty envelopes Covr Group's sole and entire warranty and no waiver, alteration, additions or modifications of the foregoing conditions shall be valid unless made in writing or signed by an officer of our company.

Some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages or limitations on how long an implied warranty lasts, so the above limitations may not apply to you. Except, where prohibited by law, Covr Group Limited and the authorized **HI-TECH FILMS** installer shall not be liable for loss or damage arising from the product, whether direct, indirect, special, incidental or consequential regardless of the legal theory asserted. This warranty gives you specific legal rights and you may also have other rights which may vary. The product is to be used in accordance and compliance with all applicable local or provincial laws. Installation of this product in a manner that violates local or provincial laws, or interferes with the operation of the vehicle is considered a misuse of the product and voids all warranties.