

Bond-A-Shield Endurance

High performance, industrial grade Protection film for the most demanding applications, in need of a higher level of impact protection.

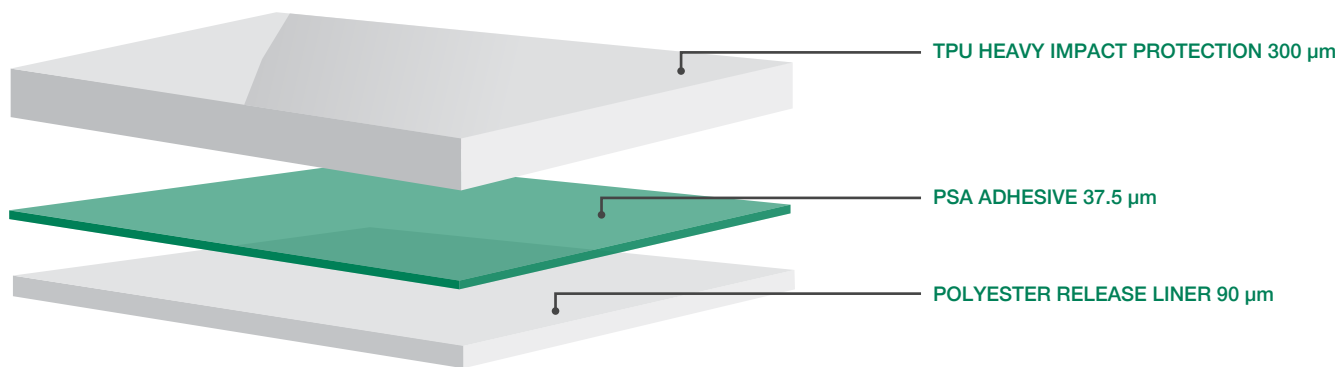
A self-adhesive paint protection film used in transport, aerospace and leisure applications to protect from damage caused by extreme impact environments.

The increased TPU thickness protects and absorbs impact from high speed objects and debris. Over time, Bond-a-Shield flexible TPU film will also demonstrate self-heal properties following minor surface damage, when exposed to a warmer environment.

Bond-A-Shield Endurance film will resist UV yellowing for a minimum of 10 years.

Packed film product; 15mtrs x 1540mm; Supplied on end caps sealed in individual packaging;
For optimum results, product should be installed by a Bond-A-Shield approved professional.

Product Construction



Product specifications and test methods

	Thickness [± 5%] Film Adhesive	Value 300 µm 37.5 µm
ASTMD638-95 ASTMD3170	Mechanical Properties Force at break Elongation at break Stone-Chip-Resistance	Value 42 MPa >700 % Passed
DIN-EN ISO 2813	Optical properties [%] Haze Gloss Discoloration	Value < 2% > 80 < 2%
EN-ISO4892-2	Weathering	Value Passed (no change)

Adhesive properties

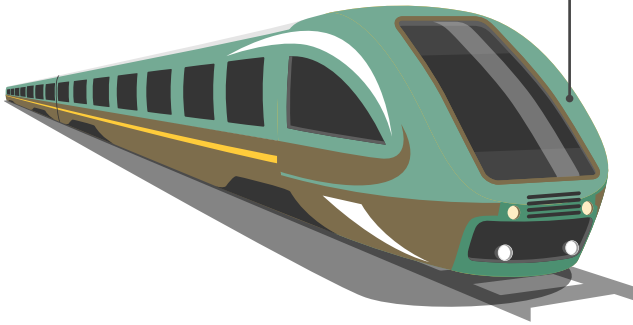
	Peel from stainless steel [N/m]					Peel from HDPE [N/m]	
Tack N/m	547	701	722	985	963	66	77

Details: Packed film product; 15mtrs x 1540mm; Supplied on end caps sealed in individual packaging;
For optimum results, product should be installed by a professional.



TRAIN

Bond-A-Shield Endurance is typically used for high speed train protection, usually on the leading edge to protect against impact. Exterior surface design can also be protected by applying Bond-A-Shield Endurance, ensuring maintenance of the graphics and paint underneath.



HELICOPTER

Bond-A-Shield Endurance is ideally suited as helicopter tape used on the leading edge of rotor blades to protect against impact and corrosion.



WIND TURBINE

Bond-A-Shield Endurance offers leading edge protection against weathering and corrosion for Turbine blades, often installed in extreme environments. The industrial grade thickness of Bond-A-Shield Endurance increases resistance to damage and corrosion to turbine blades in turn extending their lifespan, and reducing costs from maintenance downtime.



AEROPLANE

Bond-A-Shield Endurance surface protection film is suitable for use within the aerospace industry to protect nose cones and the leading edge of aircraft wings.

