

TeckWrap Paint Protection Film

Technical Data Sheet

PAINT PROTECTION FILM

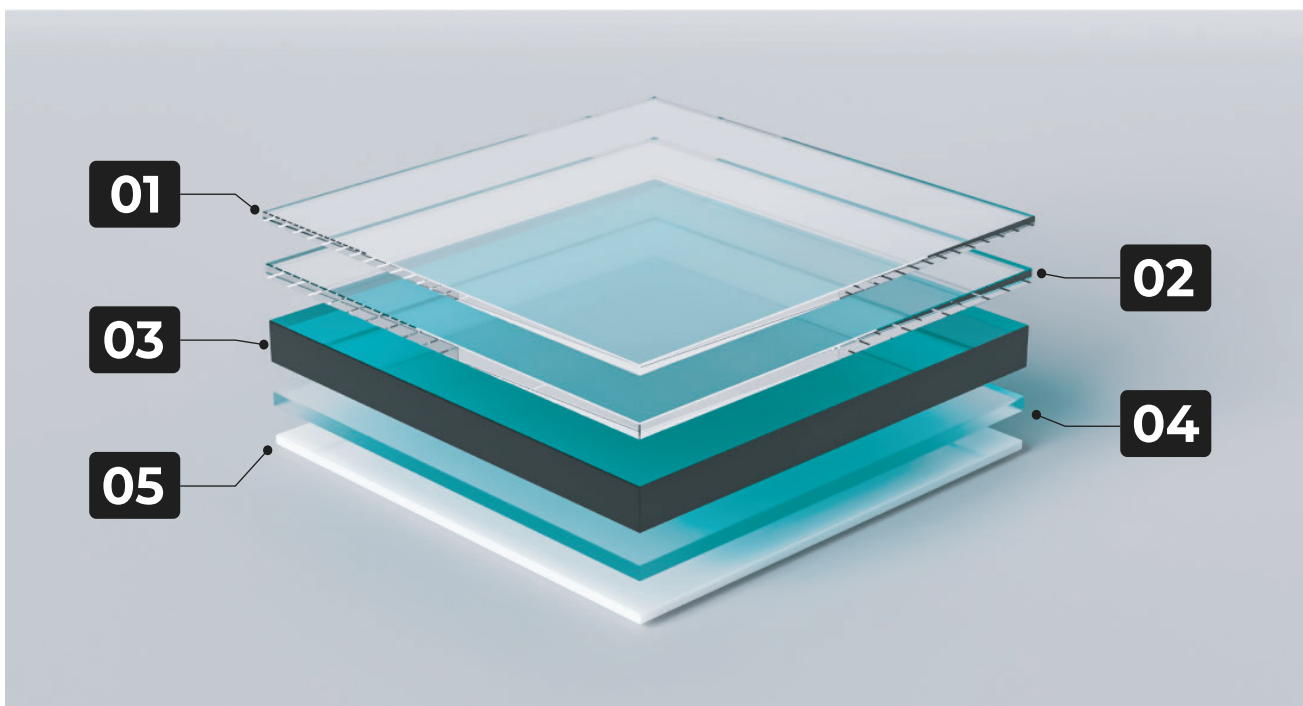
- General Information
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GENERAL INFORMATION

PPF290 is a high-performance aliphatic thermoplastic polyurethane film (TPU) that protects surfaces. Its characteristics of excellent mechan-

ical properties, UV resistance, high transparency, and high gloss prevent vehicles from damage caused by stone chips and scratches.

FILM STRUCTURE



01 PROTECTIVE FILM

Removable protective PET film

02 CLEAR COAT

Heat sensitive self-healing coating

03 URETHANE

TPU raw material

04 ADHESIVE LAYER

Pressure-sensitive polymer made of one-part structural self-curing adhesive and acrylate

05 LINER

PET release liner

PERFORMANCE PROPERTIES

Product Name	Product total thickness	Application layer thickness	Peel adhesion (Tack)	Tensile strength
X75 Core	300 ± 10 µm	183 ± 5 µm	≈ 1500 g/inch	17 MPa
X75M Shade	262 ± 10 µm	187 ± 10 µm	≈ 1500 g/inch	≥ 16 MPa
X85 Essential	330 ± 10 µm	208 ± 5 µm	≈ 1500 g/inch	21 MPa

Product Name	Maximum temperature	Coating elongation at break	Product elongation at break	UV resistance
X75 Core	100 °C	≈ 150%	≥ 350%	≥ 95%
X75M Shade	100 °C	≥ 100%	300%	≥ 90%
X85 Essential	100 °C	≈ 150%	≥ 380%	≥ 95%

Product Name	Light transmission	Width	Warranty duration	Coating type
X75 Core	90%	1524 mm	Lifetime	Lotus Effect
X75M Shade	85%	1524 mm	Lifetime	Lotus Effect
X85 Essential	90%	1524 mm	Lifetime	Lotus Effect

All technical data, statements, and recommendations are based on tests that TeckWrap® believes to be reliable. However, TeckWrap® does not warrant or guarantee the accuracy or completeness of this information.