

TeckWrap Paint Protection Film

Technical Data Sheet

PAINT PROTECTION FILM

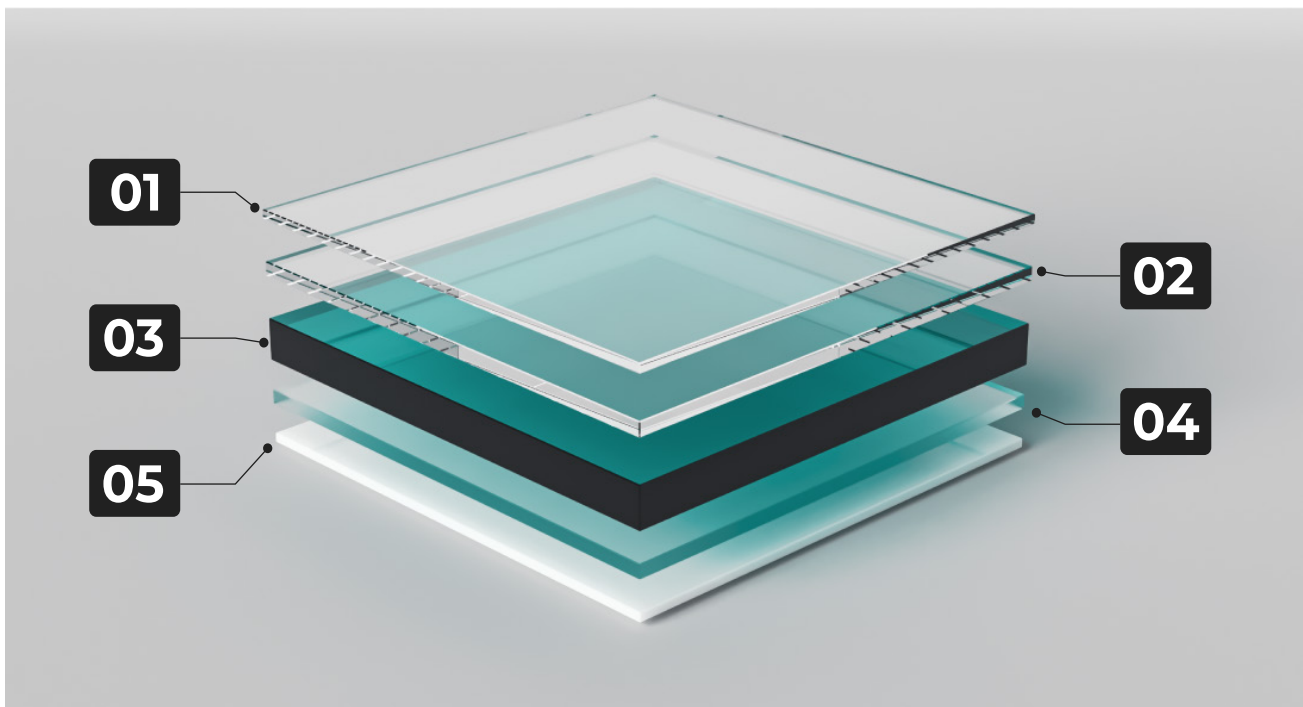
- General Information
- Film Structure
- Performance Properties

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
BLK Phantom	318 ± 10 µm	185 ± 10 µm	≈ 1700 g/inch	≥ 15 MPa
E65 Prime	312 ± 10 µm	167 ± 10 µm	≈ 1700 g/inch	≥ 15 MPa
E75 Crystal	330 ± 10 µm	180 ± 10 µm	≈ 1500 g/inch	≥ 15 MPa
E85 Pro	337 µm	212 µm	≈ 1200 g/inch	≥ 30 MPa
G75 Titan	330 ± 10 µm	180 ± 10 µm	≈ 1850 g/inch	21 MPa
G85 Premiµm	339 µm	214 µm	≈ 1850 g/inch	21 MPa
M75 Matte	270 ± 10 µm	180 ± 10 µm	≈ 1800 g/inch	≥ 15 MPa
S75+ Elite	312 ± 10 µm	187 ± 5 µm	≈ 1500 g/inch	20 MPa
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
BLK-X Jet Black	326 ± 10 µm	198.5 ± 8 µm	≈ 1500 g/inch	15 ± 5 MPa
BLKM-X Velar	274 ± 10 µm	199 ± 8 µm	≈ 1500 g/inch	18 ± 5 MPa
V75 Access	310 ± 10 µm	183 ± 6 µm	≈ 1950 g/inch	23 ± 5 MPa
W75 Auro+	301 ± 10 µm	181 ± 5 µm	≈ 2300 g/inch	≈ 22 MPa
V85 Senti	328 ± 10 µm	210 ± 5 µm	≈ 1800 g/inch	≈ 23 MPa
S85 Legacy	335 ± 10 µm	216 ± 5 µm	≈ 1360 g/inch	13 MPa
S95 Aeon	355 ± 10 µm	236 ± 5 µm	≈ 1860 g/inch	18 MPa

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.

Product Name	Maximum temperature	Coating elongation at break	Product elongation at break	UV resistance
BLK Phantom	100 °C	110%	300%	95%
E65 Prime	100 °C	110%	300%	95%
E75 Crystal	100 °C	110%	300%	96%
E85 Pro	100 °C	140%	372%	≥ 95%
G75 Titan	100 °C	140%	375%	≥ 95%
G85 Premium	100 °C	140%	375%	≥ 95%
M75 Matte	100 °C	110%	280%	98%
S75+ Elite	100 °C	120%	390%	≥ 95%
X75 Core	100 °C	≈ 150%	≥ 350%	≥ 95%
X75M Shade	100 °C	≥ 100%	300%	≥ 90%
X85 Essential	100 °C	≈ 150%	≥ 380%	≥ 95%
BLK-X Jet Black	130 °C	≥ 120%	≥ 350%	≥ 99%
BLKM-X Velar	130 °C	≥ 100%	≥ 350%	≥ 99%
V75 Access	110 °C	≥ 120%	≥ 350%	≥ 98%
W75 Auro+	100 °C	≈ 102%	≈ 300%	≈ 95%
V85 Senti	110 °C	≈ 140%	≈ 450%	≥ 98%
S85 Legacy	100 °C	102%	480%	≈ 93%
S95 Aeon	100 °C	120%	490%	≈ 98%

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Product Name	Light trans- mission	Width	Warranty duration	Coating type
BLK Phantom	0%	1524 mm	5 years	Lotus Effect
E65 Prime	≈ 88%	1524 mm	5 years	Hydrophilic Effect
E75 Crystal	≈ 88%	1524 mm	5 years	Hydrophilic Effect
E85 Pro	90%	1524 mm	5 years	Hydrophilic effect
G75 Titan	90%	1524 mm	6 years	Lotus Effect
G85 Premium	90%	1524 mm	6 years	Lotus Effect
M75 Matte	≈ 59%	1524 mm	5 years	Lotus Effect
S75+ Elite	90%	1524 mm	8 years	Lotus Effect
X75 Core	90%	1524 mm	4 years	Lotus Effect
X75M Shade	85%	1524 mm	4 years	Lotus Effect
X85 Essential	90%	1524 mm	4 years	Lotus Effect
BLK-X Jet Black	≤ 0.3%	1524 mm	4 years	Lotus Effect
BLKM-X Velar	≤ 0.3%	1524 mm	4 years	Lotus Effect
V75 Access	≥ 88%	1524 mm	4 years	Lotus Effect
W75 Auro+	≈ 86%	1830 mm	5 years	Lotus Effect
V85 Senti	≈ 95%	1524 mm	4 years	Lotus Effect
S85 Legacy	≈ 88%	1524 mm	9 years	Hydrophilic Effect
S95 Aeon	≈ 88%	1524 mm	10 years	Hydrophilic Effect

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