

# TECHNICAL DATA SHEET

PRODUCT - OPAL CLEAR PPF

MAY 2025

## Product Description

Designed to protect vehicle paint and high-impact areas from stone chips, scratches, bug splatter, road tar, environmental contaminants, and harsh weather. Perfect for personal vehicles, commercial fleets, and specialty automotive uses.

Warranty: 5 Years

## Physical Properties

Material	Polyurethane
Color	Transparent
Thickness (film only)	150um
Thickness (film + adhesive)	185+/-10um
Gloss	99/101/101 20°/60°/85°
Peel Force	1222 gf/in(20min) / 1551 gf/in (24hr)
Adhesion on OEM Paint	13-16 N/in (5-6 N/cm)
Elongation at break	280%
Tensile Strength	27 MPa
Liner Type	PET
Application Method	Wet
Coating Type	Hydrophobic
Application Temp Range	13°C - 32°C
Ideal Working Temp	17°C - 22°C

- Use only non-abrasive, pH-neutral (6–8), and solvent-free cleaning products.
- The film can be removed with heat for simple replacement or repositioning.
- Maximum shelf life is 24 months with CAP and 12 months without CAP from the date of shipment.
- Store in original packaging at temperatures between +15°C and +25°C, with a maximum humidity of 50%, and keep away from direct sunlight.
- Always allow the film to reach room temperature before installation