

Ri-Wrap PPF Premium

PRODUCT DESCRIPTION / BENEFITS Ri-Wrap PPF Premium is a high performance clear-coated polyurethane film designed to protect automotive paints and other surfaces from stone chips, scratches, abrasion, road debris, and weathering.

The clear coat is extremely resistant to scratches and will self-heal when heated at 40°C.

Its low surface energy prevents dust adhering, avoid insect and chemical stains.

The high performance ultra-clear solvent-based acrylic adhesive develops a high adhesion on most surfaces.

All our products are REACH & RoHS compliant.

TYPICAL USE

- Protection of automotive paints
- Protection of internal surfaces such as wall panels, doors, reception desk, etc.

CONSTRUCTION

- **Protection film:** 50 µm PET film
- **Clear coat:** 10 µm self-healing coating
- **Face film:** 150 µm high gloss aliphatic polyurethane film
- **Adhesive:** permanent ultra-clear solvent-based acrylic
- **Release liner:** 90 µm clear PET siliconized film

Product code: 12368 - **Ri-Wrap PPF Premium**

APPLICATION METHOD / INSTRUCTIONS FOR USE Application only by wet method on clean and degreased substrates at temperature above 15°C.

EXPECTED DURABILITY

The expected vertical outdoor durability in Central Europe (zone 1) is 8 years.

This information is based on real file experience and artificial aging according to ISO 4892-2.

Note: Exposure to severe temperature and ultra-violet light will cause a quicker deterioration. This applies also to polluted area, high altitude, horizontal applications, and south-facing exposure in north hemisphere.

SHELF LIFE

Shelf life is 2 years, when stored at 23 °C and 50 % relative humidity conditions.

Higher temperatures and/or humidity levels will reduce product shelf life.

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PHYSICO-CHEMICAL PROPERTIES / TYPICAL VALUES

Clear coat thickness	10 µm	ISO 534-80
Face thickness, without adhesive	150 µm	ISO 534-80
Total face thickness, with adhesive	190 µm	ISO 534-80
Tensile strength (machine direction)	> 45 N/cm	ISO 527
Elongation at break (machine direction)	> 150%	ISO 527
Dimensional stability (1 week @70 °C on glass)	0,2 mm	FTM 14
Initial adhesion on glass (20 minutes)	7 N/25mm	FTM 1
Adhesion on glass (24 hours)	13 N/25mm	FTM 1
Final adhesion on glass (1 week)	18 N/25mm	FTM 1
Minimum application temperature	+15 °C	
Service temperature	From -40 °C to +90 °C	
Siliconized PET	90 µm	ISO 534-80
Humidity resistance	No effect	200 hours exposure
Water + detergent (1% solution)	No effect	24 hours immersion
Isopropyl alcohol / Water (20/80)	No effect	30 minutes immersion
Gasoline resistance	No effect	30 minutes immersion

QUALITY CERTIFICATION



DISCLAIMER

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