ORAGUARD® VANTAGE ELITE

Paint Protection Film 2815C

Short description

ORAGUARD® Vantage Elite is a premium Paint Protection Film (PPF) for professional automotive applications. Based on thermoplastic polyurethane (TPU), the paint protection film has been developed to combine high mechanical resistance, controlled processability and a consistently high-quality surface appearance.
The film offers high elasticity and can be applied in a controlled manner over complex vehicle contours. Good repositionability supports precise alignment during installation. The surface properties have been specifically developed to facilitate squeegeeing and enable efficient processing. The adhesive formulation, in combination with a suitable application fluid, reduces the formation of adhesive breaks.
ORAGUARD® Vantage Elite is designed for precise plotting with computer-aided cutting systems. Plotter lines are clearly visible through the transparent cap sheet. The cap sheet protects the film surface from dust and mechanical influences during transport, storage, plotting and processing, thereby reducing the risk of surface contamination.
The surface features a self-healing top coating and offers very high resistance to dirt, chemicals and environmental influences. At the same time, the film provides a high level of stone-chip protection. The Transparent Gloss and Transparent Matte surface variants meet different optical requirements.
ORAGUARD® Vantage Elite is designed for a durability of up to ten years. The products meet defined requirements of the automotive industry, including VW TL 52428, Daimler DBL 7379 and FORD WSS-M99J291-B2.
Development and manufacturing are carried out within the ORAFOL Group. This enables material development, film production, coating and other key process steps to be controlled within our own value chain.

Available product variants:

ORAGUARD Vantage Elite PPF2815GCF+ gloss with blue cap sheet (standard)
ORAGUARD Vantage Elite PPF2815GF+ gloss without cap sheet (optional)
ORAGUARD Vantage Elite PPF2815MF+ matte (standard)

Front material

Polyurethane film, 0.15 mm

Liner

PET film, single-side silicone coated, 0.075 mm

Top Coat

Thickness Top Coat: 0.011 mm

Adhesive

Solvent-polyacrylate, permanent, Transparent, 0.03 mm

ORAFOL Europe GmbH
Orafolstrasse 1
D-16515 Oranienburg
Germany

Tel: +49 (0)3301 864-0
functional.films@orafol.de
www.orafol.com

ORAGUARD® VANTAGE ELITE

Paint Protection Film 2815C

Technical properties

RESISTANCE

Durability	10 Year(s)	
Shelf Life	2 Year(s)	in original packaging, at 20 °C and 50% relative humidity
Resistance to solvents and chemicals	Water, Sulphuric acid (10 %), Hydrochloric acid (10 %), Bird droppings (pancreatin), Tree resin, Fuels, Motor oil, Isopropyl alcohol	Immersion for: 1 hour (water, acid), 30 min (pancreatin, tree resin), 10 min (isopropanol, fuel, engine oil), evaluation after 24 hours at room temperature
Maximum shrinkage	Maximum shrinkage along 0.2 mm Maximum shrinkage across 0.2 mm	Applied to aluminium | FINAT TM 14, average value
Elongation at break	Minimum elongation at break along 300 % Minimum elongation at break across 300 %	DIN EN ISO 527
Tensile strength	Minimum tensile strength along 29 N/mm^2 Minimum tensile strength across 29 N/mm^2	DIN EN ISO 527
Stone chip resistance	Passed	According to SAE J400, 2.4 L gravel
Temperature resistance	Minimum temperature -40 °C Maximum temperature 100 °C	
UV resistance	Recommended	

ADHESIVE PROPERTIES

Adhesive power	17 N/25 mm	after 24 h, stainless steel | FINAT TM 1, average value

PROCESSING

Application temperature	Minimum temperature 10 °C	
Proposed application technology	Wet application	

Note: The matte surface variant is supplied without a cap sheet, while the gloss surface variant is supplied with a cap sheet.

ORAFOL Europe GmbH
Orafolstrasse 1
D-16515 Oranienburg
Germany

Tel: +49 (0)3301 864-0
functional.films@orafol.de
www.orafol.com

ORAGUARD® VANTAGE ELITE

Paint Protection Film 2815C

PRODUCT NOTE

Surfaces to which the material will be applied must be thoroughly cleaned and free from dust, grease or any other contamination that could affect the adhesion of the material. Freshly lacquered or painted surfaces should be allowed to dry for at least three weeks and to completely cure. The compatibility of selected lacquers and paints should be tested by the user, prior to application of the material. We recommend wet application of the film.

IMPORTANT NOTES

All ORAGUARD® products are subject to careful quality control during the entire manufacturing process. It is guaranteed that the products are delivered in merchantable quality and free of manufacturing defects. The traceability of our goods in accordance with ISO 9001 is ensured by means of the roll number. The information published on ORAGUARD® products is based on research results which the company believes to be reliable, but which do not constitute a guarantee. Due to the wide variety of uses of ORAGUARD® products and the continuing development of new applications, it is the responsibility of the purchaser to carefully evaluate the suitability and performance of the product for its intended use. Furthermore, the processing instructions issued by ORAFOL must be observed. The purchaser bears all risks arising from the use of these products. All information is subject to change without notice.

ORAFOL Europe GmbH
Orafolstrasse 1
D-16515 Oranienburg
Germany

Tel: +49 (0)3301 864-0
functional.films@orafol.de
www.orafol.com