Technical Data Sheet





ES1970VRA999 FREODUR-UV-Clearcoat

Product description

Product technology UV coating

Application for exterior use suitable for overpainting UV digital printing ink

Mechanical resistance good flexibility

Resistance to light and weather

very good

General product properties

Binder-Base Urethane acrylate UV curing

Gloss value glossy 70 - 90 GU, angle 60° DIN EN ISO 2813

Viscosity 500 - 1000 mPa*s

Density1,1 +-0,2 g/mltheoreticalSolid mass98,6 %theoretical

Resistance to storage approx. 6 month in original packagings at an ambient temperature of 5 to 25 °C. Open

packages are to be used within a short time.

The minimum storage stability of each batch is stated on the product label. The material does not necessarily become unusable if stored for longer than this period. However, for quality assurance purposes, an inspection of these materials is essential to ensure that they are still suitable for the intended application.

Application and processing

Structure Substrate Aluminium recommendation

Intermediate layer Digital UV-Printing

Coating thickness 10 µm

Clearcoat ES1970V

Coating thickness 40 µm

Processing conditions 10 °C.

The paint must be protected from light.

Industrial roller coating as delivered viscosity

Roller type grooved 80 Number of grooves

Belt v= 8 - 10 m/min

Application roller v= 10 m/min Metering roller v= 2 m/min Direction of rotation revers Gap 999,8+-0,2 mm Offset - 1,0 mm

Our technical data sheets are to provide you with advice based on our latest state of knowledge. This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications.

The sale of our products is in accordance with our terms of business, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS

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Curing max. DFT 40μm

Belt v= 8 - 10m/min Heater type Ga + Hg Heater output 120W/cm min. UV dose 4000mJ/cm²

Cleaning of equipment EFD dilution 400064

Comments

Work-and
Healthprotection

The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health and Safety at Work and environmental protection can be found in the corresponding safety data sheet.

All information is based on a standard climate 23/50 DIN EN 23270. All information is based on our product knowledge an experience. We have no direct influence on the application itself. Please do not hesitate to contact us for further information.

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