ES1970GRA999
FREODUR-UV-Clearcoat

Product description

Product technology	UV coating
Application	for interior use suitable for overpainting UV digital printing ink
Mechanical resistance	good flexibility
Scratch resistance	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		
Density	1,1 +-0,2 g/ml		theoretical
Solid mass	99,2 %		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 recommendation	Substrate	Aluminium
	Intermediate layer	Digital UV-Printing Coating thickness 10 µm
	Clearcoat	ES1970G Coating thickness 20 - 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.

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Curing	max. DFT 40µm Belt v= 8 - 10m/min Heater type Hg Heater output 120W/cm min. UV dose 2500mJ/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.
Test conditions	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. The information provided here contains reference values and does not constitute a specification.

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