ES1927MRA999
FREODUR-UV-Non-slip Coating

Product description

Product technology	UV coating
Application	for interior use suitable for overpainting UV digital printing ink
Property	non-slip effect
Mechanical resistance	good flexibility
Scratch resistance	good
Approvals	DGUV IFA2004230, DIN 51130 Non-slip effect R11/V

General product properties

Binder-Base	Urethane acrylate UV curing		
Colour	colourless		
Gloss value	mat	5 - 20 GU, Angle 60°	DIN EN ISO 2813
Viscosity	4000 - 6000 mPa*s		
Density	1,1 +-0,2 g/ml		theoretical
Solid mass	98,9 %		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.		

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Application and processing

Structure recommendation	Substrate	According to customer requirements
	Intermediate layer	Digital UV-Printing Coating thickness 10 µm
	Clearcoat	ES1927MRA999 Coating thickness 40 - 45 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= 12 m/min Application roller v= 12 m/min Metering roller v= 4 m/min Direction of rotation forward Gap 999,8+-0,2 mm Offset - 0,9 mm	
Curing	max. DFT 50µm 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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