



ES1987MRA999 FREODUR-UV-Clearcoat

Product description

Product technology	UV coating
Application	for interior use suitable for overpainting UV digital printing ink
Scratch resistance	good

General product properties

Binder-Base	Urethane acrylate UV curing		
Gloss value	mat	10 - 20 GU, Angle 60°	DIN EN ISO 2813
Viscosity	400 - 600 mPa*s		
Density	1,1 +/-0,2 g/ml		theoretical
Solid mass	98,5 %		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	PS (polystyrene)
	Primer	WL1676M Coating thickness 40 - 60 µm
	Intermediate layer	Digital UV-Printing Coating thickness 10 µm
	Clearcoat	ES1987MRA999 Coating thickness 20 - 40 µm
Processing conditions	10 °C. The paint must be protected from light.	
High pressure spraying	as delivered viscosity nozzle 0,8 - 1 mm spray pressure 2 - 3 bar	
Hot spray process	in delivery viscosity temperature 60 °C	
Material usage	without application loss 40 - 50 g/m² layer thickness 40 µm	theoretical



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Curing

max. DFT 50µm
Belt v= 20 - 30m/min
Heater type Ga + Hg
Heater output 120W/cm
min. UV dose 600mJ/cm²

Cleaning of equipment

EFD dilution 400450

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 and 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.