



ES1904M FREODUR-UV-Coating

Product description

Product technology	UV coating
Application	for interior use
Scratch resistance	good
Substrate	PS (polystyrene)

General product properties

Binder-Base	Urethane acrylate UV curing		
Colour	in accordance with RAL 840 HR other colours on request		
Gloss value	mat	15 - 25 GU, Angle 60° The degree of gloss is strongly dependent on the structure. The given value refers to a smooth, weakly structured surface.	DIN EN ISO 2813
Viscosity	300 - 1000 mPa*s		
Density	1,3 +/-0,2 g/ml		theoretical
Solid mass	98,4 %		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)
	Clearcoat	ES1904MRA999 Coating thickness 20 - 40 µm
Processing conditions	10 °C. The paint must be protected from light.	



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High pressure spraying	as delivered viscosity nozzle 0,8 - 1,2 mm
Hot spray process	in delivery viscosity temperature bis 60 °C
Curing	Belt v= 6m/min Heater type Ga + Hg Heater output 120W/cm min. UV dose 1300mJ/cm ²
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	<p>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.</p> <p>The information provided here contains reference values and does not constitute a specification.</p>