ES1901GRA999_HU0139

FREODUR-UV-Clearcoat

Product description

Product technology	UV coating
Mechanical resistance	good flexibility
Scratch resistance	good
Resistance to light and weather	very good
Application information	Dualcure

General product properties

Binder-Base	Urethane acrylate UV curing		
Gloss value	high glossy	> 85 GU, angle 20°	DIN EN ISO 2813
Viscosity	300 - 500 mPa*s		
Density	1,1 +-0,2 g/ml		theoretical
Solid mass	99,4 %		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	Aluminium
	Primer	Coilcoating Coating thickness 20 µm
	Intermediate layer	UV-Digitaldruck Coating thickness 10 µm
	Clearcoat	ES1901G Mixing ratio 10:1 HU0139 Dry film thickness 40 µm
Hardener	HU0139	
Mixin ratio	Parts by weight 10:1	

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6
78199 Bräunlingen-Döggingen | Deutschland
+49 77071510
www.freilacke.de | info@freilacke.de

ES1901GRA999_HU0139

FREODUR-UV-Clearcoat

Processing conditions	10 °C. The paint must be protected from light.
Hot spray process	in delivery viscosity temperature bis 60 °C
Industrial roller coating	as delivered viscosity Roller type gerillt 64-48 Number of grooves Belt v= 10 m/min Application roller v= 10 m/min Metering roller v= 2 m/min Direction of rotation revers od. Gleichlauf Gap 999,8 +-0,2 mm Offset - 1,0 mm
Curing	max. DFT 50µm Belt v= 10 - 12m/min Heater type Ga + Hg-Strahler Heater output 180 - 200W/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.
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.

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6
78199 Bräunlingen-Döggingen | Deutschland
+49 77071510
www.freilacke.de | info@freilacke.de