



## ES1903GRA999 FREODUR-UV-Clearcoat

### Product description

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

### General product properties

<b>Binder-Base</b>	Urethane acrylate UV curing		
<b>Gloss value</b>	glossy	70 - 80 GU, angle 60°	DIN EN ISO 2813
<b>Viscosity</b>	200 - 400 mPa*s		
<b>Density</b>	1,1 +/-0,2 g/ml		theoretical
<b>Solid mass</b>	99,8 %		theoretical
<b>Resistance to storage</b>	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

<b>Structure recommendation</b>	Substrate	Aluminium
	Primer	ES1919H Mixing ratio 13:1 300020 Dry film thickness 60 µm
	Intermediate layer	Digital UV-Printing Coating thickness 10 µm
	Clearcoat	ES1903G Coating thickness 60 - 80 µm
<b>Processing conditions</b>	10 °C. The paint must be protected from light.	
<b>Hot spray process</b>	in delivery viscosity temperature 60 °C	
<b>Industrial roller coating</b>	as delivered viscosity Roller type grooved 64 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.

DIN EN ISO 9001 | IATF 16949 | EMAS

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### Curing

max. DFT 80µm  
Belt v= 6 - 10m/min  
Heater type Ga + Hg  
Heater output 120W/cm  
min. UV dose 2800mJ/cm<sup>2</sup>

### 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 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.