



KP1699H FREIOPLAST-Coating

Product description

Product technology	solvent-based 2-component coating	
Drying	quickly	
Full drying	fast complete drying	
Substrate	Steel	

General product properties

Binder-Base	Polymerisation resin	
Colour	Anthracite grey	
Gloss visually	satin mat	
Viscosity	Flow time 60-70 sec., 4 mm flow cup	DIN 53211
Density	0,85-0,95 g/ml	theoretical
Solid mass	18-20 %	theoretical
Solid content in volume	14-15 %	theoretical
Reference product	The specified values refer to the product KP1699HL1349.	
Resistance to storage	<p>approx. 18 month in original packagings at an ambient temperature of 5 to 25 °C. Open packages are to be used within a short time.</p> <p>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.</p>	

Application and processing

Pretreatment	The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, mill scale, wax and release agent residues. We recommend the use of suitable mechanical pre-treatment processes (e.g. blasting, grinding) or chemical pre-treatment processes (e.g. phosphating) according to the requirements.	
Structure recommendation	Substrate	Steel
	Top coat	KP1699HL1349 +5% HS0917 Dry film thickness 20-40 µm
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Hardener	+5% FREOLUX-Reaktions-Härter HS0917	
Thinning	EFD dilution 400424 (ca. 30%)	
Processing conditions	from 10 °C to 25 °C	



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High pressure spraying	Set to 20-30 sec / 4 mm flow-cup after adding hardener Nozzle 1,5-2,0 mm Spray pressure 3-5 bar	DIN 53211
Material usage	without application loss 150-170 g/m ² layer thickness 30 µm	theoretical
Oven drying	up to 150 °C possible (object temperature) Short-term load up to 200 °C possible	
Air drying	20 °C, 50 % relative humidity	
Dust drying	after 20 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 2 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 3 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400474	

Further processing of coated pieces

Repainting	possible after grinding
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Comments

EFD info	Further technical information can be found in the EFD Info. No. 170.
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.