KL1793V
FREOLUX-Coating

Product description

Product technology	solvent-based one-coat lacquer
Corrosion protection	good
Substrate	Steel, Steel, blasted

General product properties

Binder-Base	Alkyd resin		
Colour	in accordance with RAL 840 HR other colours on request		
Gloss value	satin glossy	55-70 GU, Angle 60°	DIN EN ISO 2813
Viscosity	Flow time 120-140 sec., 4 mm flow cup		DIN 53211
Density	1,25-1,35 g/ml		theoretical
Solid mass	63-64 %		theoretical
Solid content in volume	44,5-45,5 %		theoretical
Reference product	The specified values refer to the product KL1793VP1631.		
Resistance to storage	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. 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

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	KL1793V Dry film thickness 70-90 µm
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Thinning	EFD dilution 400500	
Airless spraying	as delivered viscosity	
Electrostatic	possible, system-specific	
Material usage	without application loss 210-250 g/m² layer thickness 80 µm	theoretical

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Oven drying	up to 80 °C possible (object temperature)	
Air drying	20 °C, 50 % relative humidity	
Dust drying	after 90 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 8 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 15 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400500	

Further processing of coated pieces

Repainting	Up to 14 days ageing: possible with same quality, do not grind first coating layer. After 14 days ageing: with FREOLUX coating systems, grind first coating layer.

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.

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