KL1732H
FREOLUX-Coating

Product description

Product technology	solvent-based one-coat lacquer
Corrosion protection	low
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 mat	30-50 GU, Angle 85°	DIN EN ISO 2813
Viscosity	Flow time 60-65 sec., 4 mm flow cup		DIN 53211
Density	1,1-1,3 g/ml		theoretical
Solid mass	58-62 %		theoretical
Solid content in volume	38-48 %		theoretical
Reference product	The specified values refer to the product KL1732HRA905.		
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	KL1732H 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 400474	
Processing conditions	from 10 °C to 25 °C	
Airless spraying	as delivered viscosity	
High pressure spraying	as delivered viscosity	

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Rolling/painting	as delivered viscosity	
Material usage	without application loss 235-250 g/m² layer thickness 80 µm	theoretical
Air drying	20 °C, 50 % relative humidity	
Oven drying	up to 70 °C possible (object temperature)	
Dust drying	after 50 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 16 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 12 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400500	

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.

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