Technical Data Sheet

FreiLacke

KL1759V
FREOLUX-Non-slip Coating

Product description

Product technology	solvent-based 1K coating
Application area	e.g. in the mechanical engineering and plant construction sector
Property	non-slip effect
Drying	quickly
Content	abrasive ingredients
Substrate	Primer
Approvals	 DGUV IFA1904187, DIN 51130 Non-slip effect R13/V

General product properties

Binder-Base	Alkyd resin	
Colour	in accordance with RAL 840 HR other colours on request	
Gloss visually	tuff mat	
Viscosity	9000-11000 mPa*s, spindle 6, 60 revolutions/min.	DIN EN ISO 2555
Density	1,56-1,76 g/ml	theoretical
Solid mass	79-83 %	theoretical
Solid content in volume	360-400 ml/kg	theoretical
Reference product	The specified values refer to the product KL1759VRU715.	
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.

DIN EN ISO 9001 | IATF 16949 | EMAS

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Structure recommendation	Substrate	Steel	
	Primer	ER1980M Dry film thickness 40-60 µm	
	Top coat	KL1759V Dry film thickness 150-300 µm	
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		
Thinning	EFD dilution 400011		
Processing conditions	from 10 °C to 25 °C		
High pressure spraying	as delivered viscosity nozzle 3 mm spray pressure 3-5 bar		
Rolling/painting	as delivered viscosity		
Material usage	without application loss 500-550 g/m² layer thickness 200 µm		theoretical
Air drying	20 °C, 50 % relative humidity		
Oven drying	up to 70 °C possible (object temperature)		
Dust drying	after 30 minutes (degree of dryness 1)		DIN EN ISO 9117-5
Dry to the touch	after 4 hours (degree of dryness 4)		DIN EN ISO 9117-5
Full drying	after 14 day/s (pendulum damping)		DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400320		

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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