KP1637M
FREIOPLAST-Reaction GripPrimer

Product description

Product technology	Solvent-based air-drying coating
Application	suitable as adhesion promoter
Drying	quickly
Full drying	fast complete drying
Heat resistance	Blasted sheet metal: Dry film thickness 20 µm to 180-220 °C (object temperature) Exposure time: 5-10 minutes
Substrate	Non-ferrous metals, Steel

General product properties

Binder-Base	Polyvinylbutyral	
Colour	in accordance with RAL 840 HR other colours on request	
Gloss visually	matt	
Viscosity	Flow time 60-65 sec., 4 mm flow cup	DIN 53211
Density	0,95-1,10 g/ml	theoretical
Solid mass	34-37 %	theoretical
Solid content in volume	19,5-21,5 %	theoretical
Reference product	The specified values refer to the product KP1637MRU735.	
Resistance to storage	approx. 18 month in original packagings at an ambient temperature of 18 to 25 °C. Protect from frost. 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
	Primer	KP1637M Dry film thickness 20 µm
	Top coat	UR1044G Mixing ratio 5:1 HU0400 Dry film thickness 50 µm

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Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Thinning	EFD dilution 400320 EFD dilution 4000424	
Processing conditions	from 10 °C to 25 °C	
High pressure spraying	as delivered viscosity	
Rolling/painting	as delivered viscosity	
Material usage	without application loss 90-110 g/m² layer thickness 20 µm	theoretical
Air drying	20 °C, 50 % relative humidity	
Oven drying	up to 180 °C possible (object temperature)	
Dust drying	after 25 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 90 minutes (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 400424	

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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