



KP1668H

FREIOPLAST-Metal Gripcoat

Product description

Product technology	solvent-based one-coat lacquer	
Application	for interior use	
Substrate	Non-ferrous metals, Steel, Galvanised steel	

General product properties

Binder-Base	Polyvinylbutyral	
Colour	in accordance with RAL 840 HR other colours on request	
Gloss visually	satin mat	
Viscosity	Flow time 80-90 sec., 4 mm flow cup	DIN 53211
Density	0,90-1,00 g/ml	theoretical
Solid mass	23,5-24,5 %	theoretical
Solid content in volume	16,5-18,5 %	theoretical
Reference product	The specified values refer to the product KP1668HRA905.	
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
	Top coat	KP1668H Dry film thickness 20-40 µm
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Thinning	EFD dilution 400500	
Processing conditions	from 10 °C to 25 °C	
Airless spraying	18-20 sec. / 4 mm viscosity cup Nozzle 40 mm angle 80-150°	DIN 53211



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High pressure spraying	18-20 sec. / 4 mm Flow cup Nozzle 4-5 mm	DIN 53211
painting	painting as delivered viscosity	
Material usage	without application loss 155-165 g/m ² layer thickness 30 µm	theoretical
Air drying	20 °C, 50 % relative humidity	
Oven drying	up to 150 °C possible (object temperature)	
Dust drying	after 15 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 1 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 2 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.