



KP1516H FREIOPLAST-Coating

Product description

Product technology	solvent-based one-coat lacquer		
Resistance to light and weather	Good weather resistance		
Substrate	Steel, Galvanised steel		

General product properties

Binder-Base	Polymerisation resin		
Colour	in accordance with RAL 840 HR other colours on request		
Gloss value	satin glossy	10-30 GU, Angle 60°	DIN EN ISO 2813
Viscosity	Flow time 100-130 sec., 4 mm flow cup		DIN 53211
Density	1,0-1,3 g/ml	theoretical	
Solid mass	46-50 %	theoretical	
Solid content in volume	275-295 ml/kg	theoretical	
Reference product	The specified values refer to the product KP1516HRA735.		
Resistance to storage	<p>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.</p> <p>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.</p>		

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	KP1516H Dry film thickness 50-70 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		



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Airless spraying	delivery viscosity Nozzle 0,33-0,38 mm Angle 40° Material pressure 100-150 bar	
High pressure spraying	40-60 sec. / 4 mm Flow cup Nozzle 1,4-1,7 mm Injection pressure 3,5-4 bar	DIN 53211
Rolling/painting	as delivered viscosity	
Material usage	without application loss 200-220 g/m² layer thickness 60 µm	theoretical
Air drying	20 °C, 50 % relative humidity	
Oven drying	up to 80 °C possible (object temperature)	
Dust drying	after 15 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 45 minutes (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 1 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.