



KP1034H FREIOPLAST-Clearcoat

Product description

Product technology	solvent-based one-coat lacquer		
Drying	quickly		
Full drying	fast complete drying		
Substrate	iron-phosphated steel		

General product properties

Binder-Base	Combination of Polymerizate resin/co-resin		
Colour	transparent		
Gloss value	satin glossy	55-65 GU, Angle 60°	DIN EN ISO 2813
Viscosity	Flow time 60-90 sec., 4 mm flow cup		DIN 53211
Density	0,9-1,0 g/ml		theoretical
Solid mass	36,5-37,5 %		theoretical
Solid content in volume	32,33 %		theoretical
Reference product	The specified values refer to the product KP1034HRA999.		
Resistance to storage	<p>approx. 24 month in original packagings at an ambient temperature of 5 to 25 °C. 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	On iron-phosphated steel plate	
	Clearcoat	KP1034HRA999 Dry film thickness 25-40 µm	
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		
Processing conditions	from 10 °C to 25 °C		
painting	as delivered viscosity		
Material usage	without application loss	80-90 g/m ²	theoretical
	layer thickness	30 µm	



KP1034H FREIOPLAST-Clearcoat

Oven drying	up to 70 °C possible (object temperature) Short-term load up to 200 °C possible	
Air drying	20 °C, 50 % relative humidity	
Dust drying	after 8 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 16 minutes (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 2 hours (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400474	

Further processing of coated pieces

Repainting	possible after grinding
-------------------	-------------------------

Comments

EFD info	Further technical information can be found in the EFD Info. No. 170.
Liability test	Recommended performing adhesion tests if substrates painted differ from those mentioned in the product description.
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 and 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.