



KP1052H_METALLIC FREIOPLAST-Metal Effectcoat

Product description

Product technology	solvent-based one-coat lacquer		
Application	for interior use		
Drying	quickly		
Full drying	fast complete drying		
Blocking resistance	good		
Scratch resistance	good		
Substrate	PS (polystyrene), ABS (acrylonitrile butadiene styrene), Steel, Galvanised steel		

General product properties

Binder-Base	Acrylate resin crosslinked with polyisocyanate		
Colour	Metallic colour shades		
Gloss value	satin mat	30-50 GU, Angle 60°	DIN EN ISO 2813
Viscosity	Flow time 50-70 sec., 4 mm flow cup		DIN 53211
Density	0,85-1,05 g/ml		theoretical
Solid mass	30-34 %		theoretical
Solid content in volume	20-30 %		theoretical
Reference product	The specified values refer to the product KP1052HRA906.		
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	KP1052H_METALLIC Dry film thickness 20-40 µm	
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		



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Thinning	EFD dilution 400474 EFD dilution 400500	
Processing conditions	from 10 °C to 25 °C	
High pressure spraying	18-22 sec. / 4 mm Flow cup Nozzle 1,3-1,5 mm Injection pressure 3-4 bar	DIN 53211
Material usage	without application loss 110-120 g/m ² layer thickness 30 µm	theoretical
Oven drying	up to 70 °C possible (object temperature)	
Air drying	20 °C, 50 % relative humidity	
Dust drying	after 25 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 1,5 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 5 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400474	

Further processing of coated pieces

Repainting	possible after grinding
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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.