KP1052G

FREIOPLAST-Coating

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	in accordance with RAL 840 HR other colours on request		
Gloss value	glossy	40-70 GU, angle 20°	DIN EN ISO 2813
Viscosity	Flow time 110-130 sec. 4 mm flow cup		DIN 53211
Density	0,9-1,1 g/ml		theoretical
Solid mass	35-43 %		theoretical
Solid content in volume	27-37 %		theoretical
Reference product	The specified values refer to the product KP1052GRA721.		
Resistance to storage	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. 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

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	Top coat	KP1052G Dry film thickness 40-60 µm	
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		
Thinning	EFD dilution 400474 EFD dilution 400500		
Processing conditions	from 10 °C to 25 °C		
High pressure spraying	20-30 sec. / 4 mm Flow cup Nozzle 1,2-1,8 mm Injection pressure 3-5 bar		DIN 53211
Rolling/painting	rolling/painting	as delivered viscosity Add 0,3 to 0,5% by wight EFD-Relaxation agent 300807 for roller and brush application in case of bubble formation.	
Material usage	without application loss 160 g/m² layer thickness 50 µm		theoretical
Air drying	20 °C, 50 % relative humidity		
Oven drying	up to 70 °C possible (object temperature) Short-term load up to 200 °C possible		
Dust drying	after 10 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 5 day/s (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.
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.

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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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