



## KP1052L FREIOPLAST-Coating

### Product description

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

### General product properties

<b>Binder-Base</b>	Acrylate resin crosslinked with polyisocyanate		
<b>Colour</b>	in accordance with RAL 840 HR other colours on request		
<b>Gloss value</b>	satin mat	30-50 GU, Angle 60°	DIN EN ISO 2813
<b>Viscosity</b>	Flow time 80-100 sec., 4 mm flow cup		DIN 53211
<b>Density</b>	0,96-1,16 g/ml		theoretical
<b>Solid mass</b>	36-42 %		theoretical
<b>Solid content in volume</b>	23-33 %		theoretical
<b>Reference product</b>	The specified values refer to the product KP1052LRA517.		
<b>Resistance to storage</b>	<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

<b>Pretreatment</b>	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.		
<b>Structure recommendation</b>	Substrate	Steel	

Our technical data sheets are to provide you with advice based on our latest state of knowledge. This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications. The sale of our products is in accordance with our terms of business, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS

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## KP1052L FREIOPLAST-Coating

	Top coat	KP1052L	
		Dry film thickness 40-60 µm	
<b>Note before use</b>	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		
<b>Thinning</b>	EFD dilution 400474 EFD dilution 400500		
<b>Processing conditions</b>	from 10 °C to 25 °C		
<b>Airless spraying</b>	as delivered viscosity		
<b>High pressure spraying</b>	20-30 sec. / 4 mm Flow cup Nozzle 1,2-1,8 mm Injection pressure 3-4 bar		DIN 53211
<b>Material usage</b>	without application loss 190-210 g/m <sup>2</sup> layer thickness 50 µm		theoretical
<b>Oven drying</b>	up to 70 °C possible (object temperature) Short-term load up to 200 °C possible		
<b>Air drying</b>	20 °C, 50 % relative humidity		
<b>Dust drying</b>	after 10 minutes (degree of dryness 1)		DIN EN ISO 9117-5
<b>Dry to the touch</b>	after 1 hours (degree of dryness 4)		DIN EN ISO 9117-5
<b>Full drying</b>	after 5 day/s (pendulum damping)		DIN EN ISO 1522
<b>Cleaning of equipment</b>	EFD dilution 400474		

### Further processing of coated pieces

<b>Repainting</b>	possible after grinding
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### Comments

<b>EFD info</b>	Further technical information can be found in the EFD Info. No. 170.
<b>Work-and Healthprotection</b>	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.
<b>Test conditions</b>	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.