



## KP1052Z 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>	according to customer requirements	
<b>Viscosity</b>	Flow time 110-130 sec. 4 mm flow cup	DIN 53211
<b>Density</b>	0,9-1,1 g/ml	theoretical
<b>Solid mass</b>	35-43 %	theoretical
<b>Solid content in volume</b>	23-33 %	theoretical
<b>Reference product</b>	The specified values refer to the product KP1052ZB2924.	
<b>Resistance to storage</b>	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

<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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	Top coat	KP1052Z	
		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 3-5 bar		DIN 53211
<b>Rolling/painting</b>	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.	
<b>Material usage</b>	without application loss 185 g/m <sup>2</sup> layer thickness 50 µm		theoretical
<b>Air drying</b>	20 °C, 50 % relative humidity		
<b>Oven drying</b>	up to 70 °C possible (object temperature) Short-term load up to 200 °C possible		
<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.



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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 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.