

FREIOPLAST

Paint KP1052

- Solvent-base ,one component paint for indoor usage
- Fast initial and through drying
- Good adhesion on different substrates
- High film hardness
- Good blocking stability and scratch resistance

Technical / Physical Data	Resin/ binder	acrylic copolymerisates		
	Colour	acc. to RAL 840 HR other colour shades on request		
	Gloss value DIN 67530 and DIN EN ISO 2813	KP1052 G = glossy KP1052 H = satin mat KP1052 M = mat KP1052 Z = acc. to customer's on requirement	40 to 70 30 to 50 30 to 50	geometry 20° geometry 60° geometry 85°
	Original viscosity DIN 53211*	110 to 130 Sek. / 4 mm cup		
	Thinner	EFD-Thinner	400474	EFD-Thinner 400500
	Density calculated	1,0 g / ml	+ / - 0,1	
	Solid content calculated	36 %	+ / - 4	
	Solid content in volume calculated	260 ml / kg	+ / - 20	
	Material usage calculated after hardener addition in original viscosity, without application loss	190 g/ m ²	dry film thickness 50 µm	
	Consumption calculated after hardener addition in original viscosity, without application loss	5,3 m ² / kg	dry film thickness 50 µm	

Storability Approx. 24 month in original packings at an ambient temperature of 5 to 25 °C, in case the original packings are tightly closed. Opened packing must be used very shortly. The minimum storage stability of each batch is mentioned on the product label. A storage time beyond the mentioned date doesn't necessarily mean that the material is unusable. In this case a check of the qualities which are important for the respective usage is essential due to quality guaranty reasons.

Processing and application

Application

Stir up before the use carefully (e.g. with high-speed mixer).

spraying-airless: is possible when spraying KP1052M, mat and KP1052H, semi mat if necessary adjust viscosity (viscosity depends on the condition of application)
 spraying-pneumatic: after viscosity adjustment to 20 to 30 sec.
 nozzle: 1,2 to 1,8 mm spraying pressure: 3 to 5 bar
 by brush: in original viscosity

Substrates

ABS, polystyrene, steel, zincor, zinc

Pretreatment The substrate must be free of materials which prevent adhesion, e.g. oil, grease, dust and surfactant. According to the requirements we recommend to apply the suited chemical (e.g. phosphatizing, chromating) or / and mechanical (e.g. shot blasting) pretreatment.

Proposal for a coating system

substrate: steel
 top coat: FREIOPLAST-Paint KP1052

Application temperature

above 10 °C

Drying air drying at 20°C

dust dry: after 10 min. (degree of drying 1/ DIN 53150)
 dry to touch: after 1 h (degree of drying 4/ DIN 53150)
 complete dry: after 5 days (swinging beam hardness / ISO 1522)
 oven drying: to 70°C possible (object temperature)
 short term exposure up to 200 °C is possible

Repair coating

after sanding with the same system

Cleaning of working equipment

EFD-thinner 400474

Advise for safety protection and protection of health

The usual precautionary measures for ventilation as well as for personal protection are to be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning health protection and environment protection can be read in the corresponding safety data sheet.

Special remarks

Resistance

Due to the different kinds of zinc coatings, aluminium and plastics we recommend preliminary tests (e.g. adhesion).

Test condition

*Indication of the delivery viscosity according to DIN 53211:
 DIN 53211 was withdrawn in October 1996.
 On request the value is available according to DIN EN ISO 2431.

The statements concerning efficiency, drying and caution labelling depend on colour shade. All information is based on a standard climate 20/65 DIN 50014. For the calculation of the practical consumption loss additions have to be considered. Indications to this are the practical experience and advices given in DIN 53220.

All information are based on our product knowledge and experience. To the application we have no direct influence. For further information please don't hesitate to contact us. The information mentioned herein are reference values and are not given as specification.