

FREIOPLAST

Primer KP1609

- Primer with solvent
- Fast drying
- With 1K- and 2K-Coating overpaintable
- Good corrosion protection
- Good adhesion on different substrates

Technical / Physical Data	Resin/ binder	Polyvinyl-Alkydecombination	
	Colour	acc. to RAL 840 HR other colour shades on request	
	Gloss value visual	mat	
	Original viscosity DIN 53211*	80 to 100 Sek./ 4 mm cup	
	Thinner	EFD-Thinner 400320 or EFD-Thinner 400009	
	Density calculated	1,3 g / ml	+ / - 0,1
	Solid content calculated	60 %	+ / - 2
	Solid content in volume calculated in original viscosity, without application loss	290 ml / kg 380 ml / l	+ / - 10 or + / - 12
	Consumption calculated in original viscosity, without application loss	275 g / m ² or 210 ml / m ²	dry film thickness 80 µm
	Spreading rate calculated in original viscosity, without application loss	3,5 to 4 m ² / kg or 4,5 to 5 m ² / l	dry film thickness 80 µm

Storability Approx. 18 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 (hot/cold): in original viscosity
 spraying-pneumatic: after viscosity adjustment to 40 to 60 sec. / 4mm cup
 nozzle: 1,5 to 1,8 mm spraying pressure: approx 4 bar
 by roller / brush: in original viscosity

Substrates

steel smooth / galvanizedl, zinc coated steel and plastics

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	
primer:	FREIOPLAST-Primer	KP1609
top coat:	EFDEDUR-Coating	UR1044 or
	FREIOPLAST-Coating	KP1610

Application temperature

above 10 °C

Drying

air drying at 20°C

dust dry:	after 20 min.	(degree of drying 1/ DIN 53150)
dry to touch:	after 3 h	(degree of drying 4/ DIN 53150)
complete dry:	after 2 days	(swinging beam hardness/ ISO 1522)
oven drying:	to 80°C possible	(object temperature)

Repair coating

after sanding with the same system (after 20 to 30 min.)

Cleaning of working equipment

EFD-thinner 400320

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

Beständigkeit

Bei entsprechendem Gesamtaufbau sehr guter Korrosionsschutz in Industrieklima gegeben. Bei der Beschichtung von Kunststoffuntergründen, wie z.B. ABS und PS sowie Zink / Zincor und Aluminium empfehlen wir Haftungsversuche durchzuführen. Als „Primer-finish“ im Innenbereich von Stahl- und Spezial Containern geeignet. Mindestrockenfilmdicke 90 µm.

Test condition

The statements concerning efficiency, drying and caution labelling depend on colour shade. The values mentioned in this data sheet are based on KP1609MRU732, pebble grey RAL 7032, mat. 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