

FREIOPLAST

Reaction GripPrimer KP1637V

- Reaction GripPrimer with solvent
- Quick drying
- Wash-Primer
- Short temperature resistance at 180-2220°C

Technical physical data	Resin/ binder	polyvinylbutyral
	Colour	light grey approx. RAL 7035 RAL 840 HR
	Original viscosity DIN 53211*	55 to 65 Sek. / 4 mm cup
	Thinner	EFD-Thinner 400320 or EFD-Thinner 400424
	Density calculated	1,0 g / ml + / - 0,1
	Solid content calculated	34 % + / - 2
	Solid content in volume calculated	185 ml / kg + / - 5
	Consumption calculated in original viscosity, without application loss	100 to 110 g / m ² dry film thickness 20 µm see „Special remarks“
	Spreading rate calculated in original viscosity, without application loss	9 to 10 m ² / kg dry film thickness 20 µm see „Special remarks“
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	

Processing and application

Application

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

spraying-high pressure: in original viscosity
by in original viscosity
by roller: in original viscosity

Substrates

non ferrous metals, steel

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:	e.g. steel	
primer:	FREIOPLAST-Reaction GripPrimer	KP1637V
top coat:	EFDEDUR-Paint	UR1044

Application temperature

above 10 °C

Drying air drying at 20°C

dust dry:	after 25 min.	(degree of drying 1/ DIN 53150)
dry to touch:	after 90 min.	(degree of drying 4/ DIN 53150)
complete dry:	after 3 days	(swinging beam hardness/ ISO 1522)

oven drying: to 180°C possible (object temperature)

Cleaning of working equipment

EFD-Thinner 400424

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.

Resistance

Very good adhesion promoter, especially suitable for pretreated aluminium substrates e.g. alkaline or sour pickling respectively chromating and galvanized steel substrates in combination with EFDEDUR-finishing paints. In view of different kind of zinc coatings we recommend to make preliminary tests (e.g. adhesion, climatic a.s.o.).

Special remarks

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. The values mentioned in this data sheet are based on KP1637VRU735.

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.