

Technical Data Sheet

FREIOPLAST

Reaction GripPrimer KP1620M

- > Solvent-based adhesive primer
- > Fast airdrying
- Wash-Primer

Technical	/ Phys	ical
Data		

Resin/ binder	polyvinyl butyrale combination
Colour	light grey approx. RAL 7035 acc. to RAL 840 HR
Gloss value vusual	mat
Original viscosity DIN 53211*	60 to 80 sec. / 4 mm cup
Thinner	EFD-Thinner 400424
Density calculated	1,15 g / ml + / - 0,1
Solid content calculated	48 % + / - 2
Solid content in volume calculated	235 ml / kg + / - 5
Consumption calculated in original viscosity, without application loss	80 to 90 g / m² dry film thickness 20 μm see "special remarks"
Spreading rate calculated in original viscosity, without application loss	11,5 to 12,0 m² / 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 usage is essential due to quality guaranty reasons.

DIN EN ISO 9001

ISO/TS 16949

EMAS

business and delivery.

FREIOPLAST

Reaction GripPrimer KP1620M



Processing and application

Application

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

Spraying high pressure: in original viscosity

nozzle: 1,2 to 1,5 mm spraying pressure: 4 to 5 bar

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

subtrate: approx. steel

primer: FREIOPLAST-Reaction GripPrimer KP1620M top coat: EFDEDUR-Coating UR1044

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 60 min(degree of drying 4/ DIN 53150)complete dry:after 3 days(swinging beam hardness/ ISO 1522)

oven drying: to 80°C possible (object temperature)

Cleaning of working equipment

EFD-thinner 400424

Advise for safety protection and protection of health

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

Resistance

Excellent bonding agent, especially suitable for pre-treated aluminium, e.g. alkaline or acidic pickling or chromating and zinc-coated steel substrates in combination with EFDEDUR top coats. Due to the different types of zinc coating and aluminium alloys, we recommend carrying out preliminary tests (e.g.

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.

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.

05.December 2018 / Version: 0 Page 2 from 2