

FREOLUX

Primer KL1712

- Air-drying universal primer for steel undergrounds
- Nitro resistant
- Rapidly drying
- Fast, hard setting-off
- High elasticity with good weather and water firmness

Technical / Physical Data	Resin/ binder	short oillength alkyd resins
	Colour	e.g. reseda geen, pebble grey, black, white following RAL 840 HR other colour shades on request
	Gloss value visuell	mat
	Original viscosity DIN 53211*	110 to 120 Sek. / 4 mm cup
	Thinner	EFD-Thinner 400320 or EFD-Thinner 400474
	Density calculated	1,6 g / ml + / - 0,2
	Solid content calculated	72 % + / - 3
	Solid content in volume calculated	315 ml / kg + / - 15 50 Vol.% + / - 3
	Consumption calculated in original viscosity, without application loss	90 to 110 g / m ² dry film thickness 60 µm see „Special remarks“
	Spreading rate in original viscosity, without application loss	5,0 to 5,5 m ² / kg dry film thickness 60 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.

Processing and application

Application

Stir up before the use carefully (e.g. with high-speed mixer).
 spraying-airless: in original viscosity
 nozzle: 0,015 inch / 0,38 mm spraying pressure: 150 bar
 spraying-high-pressure: after viscosity adjustment to 25 to 30 sec.
 nozzle: 1,8 mm spraying pressure: 4 bar
 by roller/ brush: in original viscosity

Substrates

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: steel
 primer: FREOLUX-Primer KL1712
 top coat: FREOLUX-Paint KL1022

Application temperature

above 10 °C

Drying

air drying at 20°C

dust dry:	after 40 min.	(degree of drying 1	/ DIN 53150)
dry to touch:	after 80 min.	(degree of drying 4	/ DIN 53150)
complete dry:	after 15 days	(swinging beam hardness	/ ISO 1522)
oven drying:	to 80°C possible	(object temperature)	

Cleaning of working equipment

EFD-Thinner 400500

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

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 white RAL 9010 primer colour. 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.