FreiLacke

Technical Data Sheet

FREOLUX

Coating
KL1793V

V = Variation to the existing standard system

- Alkyd paint, with solvent
- Air drying
- Industrial application
- Possible as single coating
- Good adhesion
- More easily to moderate corrosion protection

Technical / Physical Data	**Resin/ binder**	short oil, modified alkyd resins
	Colour	acc. to RAL 840 HR other colour shades on request
	Gloss value DIN 67530 and DIN EN ISO 2813	satin glossy 55 to 70 geometry 60°
	Original viscosity DIN 53211*	120 to 140 Sek. / 4 mm cup
	Thinner	EFD-Thinner 400500
	Density calculated	1,3 g / ml + / - 0,2
	Solid content calculated	61 % + / - 2
	Solid content in volume calculated	320 ml / kg + / - 20
	Consumption calculated in original viscosity, without application loss	235 to 267 g / m² dry film thickness 80 µm see „Special remarks“
	Spreading rate calculated in original viscosity, without application loss	3,7 to 4,2 m² / kg dry film thickness 80 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	

Our technical data sheets are to advise you according to our latest state of knowledge. This information does not release you from own tests of our products in view to the ability for the intended procedures and applications. The sale of our products is an accordance with our terms of business and delivery.

DIN EN ISO 9001
VDA 6.1
EMAS II

Emil Frei GmbH & Co.
Lackfabrik Döggingen
Am Bahnhof 6
D- 78195 Bräunlingen
Phone: +49 (0)7707 151-0
Fax: +49 (0)07707 151-238
info@freilacke.de,
www.freilacke.de

Processing and application

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

spraying-airless:	in original viscosity nozzle: 0,013 inch / 0,33 mm
spraying-electrostatic:	in original viscosity

Substrates
stainless steel, 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:	steel
top coat:	FREOLUX-Coating KL1793V

Application temperature
above 10 °C

Drying air drying at 20°C

dust dry:	after 1 ½ h	(degree of drying 1	/ DIN 53150)
dry to touch:	after 8 h	(degree of drying 4	/ DIN 53150)
complete dry:	after 15 days	(swinging beam hardness	/ ISO 1522)
oven drying:	to 80°C possible	(object temperature)	

Repair coating

up to an ageing of 2 weeks:	with the same system, no sanding
after an ageing of 2 weeks:	after slight sanding with FREOLUX-paint systems, sanding

Cleaning of working equipment
EFD-Thinner 400500

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, sayfety 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 KL1793VP1631, traffic white and satin glossy.

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.