

FREOLUX

Coating KL1732H

- Solvent-based alkyd resins
- Air drying
- Industrial's application
- Light corrosion protection
- Possible as single coating

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 mat	30 to 50	geometry 85°
	Original viscosity DIN 53211*	60 to 65 Sek. / 4 mm cup		
	Thinner	EFD-Thinner 400474		
	Density calculated	1,2 g / ml	+ / - 0,1	
	Solid content calculated	60 %	+ / - 2	
	Solid content in volume calculated	330 ml / kg	+ / - 10	
	Consumption calculated in original viscosity, without application loss	235 to 250 m² / kg dry film thickness 80 µm see „Special remarks“		
	Spreading rate calculated in original viscosity, without application loss	approx. 4 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 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
spraying-high-pressure:	in original viscosity
by roller:	in original viscosity

Substrates

steel, steel blasting

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	
top coat:	FREOLUX-Coating	KL1732H

Application temperature

above 10 °C

Drying

air drying at 20°C

dust dry:	after 50 min.	(degree of drying 1/ DIN 9117-5)
dry to touch:	after 16 h	(degree of drying 4/ DIN 9117-5)
complete dry:	after 12 days	(swinging beam hardness/ DIN EN ISO 1522)

oven drying:	to 70°C possible	(object temperature)
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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 and drying depend on colour shade.
The values mentioned in this data sheet are based on KL1732HRA905, jet black.

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