

# FREOLUX

## System-Coating KL9193H

- Alkyd paint, with solvent, air drying
- Industrial application
- Possible as single coating
- Good adhesion
- More easily to moderate corrosion protection
- On powder coating co-ordinated system
- Standard-System: KL1793 FREOLUX-Coating

<b>Technical / Physical Data</b>	<b>Resin/ binder</b>	short oil, modified alkyd resins		
	<b>Colour</b>	between powder coating and RAL colour other colour shades on request		
	<b>Gloss value</b>	after powder sample		
	<b>Original viscosity</b> DIN 53211*	120 to 140 Sek. / 4 mm cup		
	<b>Thinner</b>	EFD-Thinner 400500		
	<b>Density</b> calculated	1,1 g / ml	+ / - 0,2	
	<b>Solid content</b> calculated	50 %	+ / - 2	
	<b>Solid content in volume</b> calculated	340 ml / kg	+ / - 20	
	<b>Consumption</b> calculated in original viscosity, without application loss	220 to 250 g / m <sup>2</sup> dry film thickness 80 µm	see „Special remarks“	
	<b>Spreading rate</b> calculated in original viscosity, without application loss	4,0 to 4,5 m <sup>2</sup> / 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

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## 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

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### Substrates

steel, stainless steel

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### 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.

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### Proposal for a coating system

substrate:	steel
top coat:	FREOLUX-System-Coating KL9193H

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### Application temperature

above 10 °C

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### 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)	

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### 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

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### Cleaning of working equipment

EFD-Thinner 400500

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### 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.

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## 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 KL9193HP2002, vermilion 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.