

## Technical Data Sheet

# FREIOTHERM

Coating  
KO1056H

- Baking coat with solvent
- Suited for single layer coating on iron and non ferrous metals
- Good light resistance

Technical / Physical data	Resin/ binder	Acrylresin	
	Colour	acc. to RAL 840 HR other colour shades on request	
	Gloss DIN 67530 and DIN EN ISO 2813	satin glossy 30 to 60 geometry 60°	
	Original viscosity DIN 53211*	90 to 130 sec. / 4 mm cup	
	Thinner	EFD-Thinner 400474 (fast) EFD-Thinner 400190 (low)	
	Density calculated	1,2 g / ml	+ / - 0,1
	Solid content calculated	67 %	+ / - 5
	Solid content in volume calculated	430 ml / kg	+ / - 20
	Consumption calculated in original viscosity, without application loss	105 to 120 g /m² dry film thickness 50 µm see „Special remarks“	
	Spreading rate calculated in original viscosity, without application loss	8 to 9 m² / kg dry film thickness 50 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		

**Processing and application****Application**

Components are to be mixed homogeneously (e.g. with high-speed mixer).

spraying-high-pressure: after viscosity adjustment 18 to 22 sec.  
nozzle: 1,8 mm spraying pressure: 3 to 4 bar

**Substrates**

steel, non ferrous metal

**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  
basecoat: FREIOTHERM-Coating KO1056H

**Application temperature**

above 10 °C

**Drying**

oven drying: 30 min. / 150 °C or 10 min. / 180 °C (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 KO1056HS2559, beige. 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 do not hesitate to contact us.

The information mentioned herein are reference values and are not given as specification.