

FREIOTHERM

Metal Effectcoat KO1056H

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

Technical / Physical data	Resin/ binder	Acrylresin
	Colour	metallic colour shades
	Gloss visual	satın mat
	Original viscosity DIN 53211*	40 to 80 sec. / 4 mm cup
	Thinner	EFD-Thinner 400474 (fast) EFD-Thinner 400190 (low)
	Density calculated	1,0 g / ml + / - 0,1
	Solid content calculated	48 % + / - 5
	Solid content in volume calculated	410 ml / kg + / - 20
	Consumption calculated in original viscosity, without application loss	50 g / m ² dry film thickness 20 µm see „Special remarks“
	Spreading rate calculated in original viscosity, without application loss	20 m ² / kg dry film thickness 20 µm see „Special remarks“

Storability Approx. 9 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-Metal Effectcoat 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 KO1056HRA906, white aluminium. 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.