



## KO1056M FREIOTHERM-Coating

### Product description

<b>Product technology</b>	Solvent-based single-layer baking coating
<b>Resistance to light and weather</b>	Good light resistance
<b>Substrate</b>	Non-ferrous metals, Steel

### General product properties

<b>Binder-Base</b>	Acrylic Resin		
<b>Colour</b>	in accordance with RAL 840 HR other colours on request		
<b>Gloss value</b>	mat	25-35 GU, Angle 85°	DIN EN ISO 2813
<b>Viscosity</b>	Flow time 90-130 sec., 4 mm flow cup		DIN 53211
<b>Density</b>	1,2-1,4 g/ml	theoretical	
<b>Solid mass</b>	59-69 %	theoretical	
<b>Solid content in volume</b>	380-420 ml/kg	theoretical	
<b>Reference product</b>	The specified values refer to the product KO1056MS2514.		
<b>Resistance to storage</b>	approx. 18 month in original packagings at an ambient temperature of 5 to 25 °C. Open packages are to be used within a short time.		
	The minimum storage stability of each batch is stated on the product label. The material does not necessarily become unusable if stored for longer than this period. However, for quality assurance purposes, an inspection of these materials is essential to ensure that they are still suitable for the intended application.		

### Application and processing

<b>Pretreatment</b>	The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, mill scale, wax and release agent residues. We recommend the use of suitable mechanical pre-treatment processes (e.g. blasting, grinding) or chemical pre-treatment processes (e.g. phosphating) according to the requirements.		
<b>Structure recommendation</b>	Substrate	Steel	
	Top coat	KO1056M Dry film thickness 40-60 µm	
<b>Note before use</b>	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		
<b>Thinning</b>	EFD dilution 400474 EFD dilution 400190		
<b>Processing conditions</b>	from 10 °C to 25 °C		



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<b>High pressure spraying</b>	18-22 sec. / 4 mm Flow cup Nozzle 1,8 mm Injection pressure 3-4 bar	DIN 53211
<b>Material usage</b>	without application loss 115-130 g/m <sup>2</sup> layer thickness 50 µm	theoretical
<b>Oven drying</b>	30 min. / 150 °C - 10 min. / 180 °C (object temperature)	
<b>Cleaning of equipment</b>	EFD dilution 400500	

### Comments

<b>EFD info</b>	Further technical information can be found in the EFD Info. No. 170.
<b>Work-and Healthprotection</b>	The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health and Safety at Work and environmental protection can be found in the corresponding safety data sheet.
<b>Test conditions</b>	All information is based on a standard climate 23/50 DIN EN 23270. All information is based on our product knowledge an experience. We have no direct influence on the application itself. Please do not hesitate to contact us for further information.  The information provided here contains reference values and does not constitute a specification.