Technical Data Sheet



KO1056H FREIOTHERM-Coating

Product description

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

General product properties

Binder-Base	Acrylic Resin			
Colour	in accordance with RAL 840 HR other colours on request			
Gloss value	satin glossy	30-60 GU, Angle 60°	DIN EN ISO 2813	
Viscosity	Flow time 90-130 sec., 4 mm flow cup		DIN 53211	
Density	1,1-1,3 g/ml		theoretical	
Solid mass	58-68 %		theoretical	
Solid content in volume	400-440 ml/kg		theoretical	
Reference product	The specified values refer to the product KO1056HRA747.			
Resistance to storage	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

Pretreatment	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.		
Structure	Substrate	Steel	
recommendation			
	Top coat	KO1056H Dry film thickness 40-60 μm	
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		
Thinning	EFD dilution 400474 EFD dilution 400190		
Processing conditions	from 10 °C to 25 °C		

Our technical data sheets are to provide you with advice based on our latest state of knowledge. This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications.

The sale of our products is in accordance with our terms of business, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS

FreiLacke | Emil Frei GmbH & Co. KG

Technical Data Sheet



KO1056H FREIOTHERM-Coating

High pressure spraying	18-22 sec. / 4 mm Flow cup Nozzle 1,8 mm Injection pressure 3-4 bar	DIN 53211			
Material usage	without application loss 113-127 g/m² layer thickness 50 μm	theoretical			
Oven drying	30 min. / 150 °C - 10 min. / 180 °C (object temperature)				
Cleaning of equipment	EFD dilution 400500				
Comments					
EFD info	Further technical information can be found in the EFD Info. No. 170.				
Work-and Healthprotection	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.				
Test conditions	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 ar specification.	nd does not constitute a			

Our technical data sheets are to provide you with advice based on our latest state of knowledge. This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications.

The sale of our products is in accordance with our terms of business, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS

FreiLacke | Emil Frei GmbH & Co. KG