KT1803M

EFDESILK-Coating

Product description

Product technology	Solvent-based air-drying coating
Heat resistance	Blasted sheet: Dry film thickness <30 µm to 200 °C (object temperature) Exposure time: 30 minutes Smooth sheet metal: Dry film thickness <30 µm to 200 °C (object temperature) Load duration: 30 minutes
Substrate	Steel, Grey cast iron, Steel, blasted

General product properties

Binder-Base	Polymerisation resin	
Colour	in accordance with RAL 840 HR other colours on request	
Gloss visually	matt	
Viscosity	Flow time 23-27 sec., 4 mm flow cup	DIN 53211
Density	0,9-1,1 g/ml	theoretical
Solid mass	30-34 %	theoretical
Solid content in volume	14-24 %	theoretical
Reference product	The specified values refer to the product KT1803MRA905.	
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 recommendation	Substrate	Steel

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6
78199 Bräunlingen-Döggingen | Deutschland
+49 77071510
www.freilacke.de | info@freilacke.de

KT1803M

EFDESILK-Coating

	Top coat	KT1803M Dry film thickness 15-30 µm
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Processing conditions	from 10 °C to 25 °C	
High pressure spraying	as delivered viscosity nozzle 1,3-1,5 mm spray pressure 3-5 bar	
Material usage	without application loss 100-110 g/m² layer thickness 20 µm	theoretical
Air drying	20 °C, 50 % relative humidity	
Dust drying	after 30 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 8 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 3 day/s (pendulum damping)	DIN EN ISO 1522
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 and does not constitute a specification.

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6
78199 Bräunlingen-Döggingen | Deutschland
+49 77071510
www.freilacke.de | info@freilacke.de