



KT1802M EFDESILK-Coating

Product description

Product technology	Solvent-based air-drying coating
Heat resistance	Blasted sheet: Dry film thickness <30 µm to 350 °C (object temperature) Smooth sheet metal: Dry film thickness <30 µm to 350 °C (object temperature)
Substrate	Steel, Steel, blasted

General product properties

Binder-Base	Silicone resin	
Colour	in accordance with RAL 840 HR other colours on request	
Gloss visually	matt	
Viscosity	Flow time 80-120 sec., 4 mm flow cup	DIN 53211
Density	0,9-1,1 g/ml	theoretical
Solid mass	29-33 %	theoretical
Solid content in volume	17-27 %	theoretical
Reference product	The specified values refer to the product KT1802MRA905.	
Resistance to storage	approx. 12 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	On blasted steel plate
	Top coat	KT1802M Dry film thickness 15-30 µm
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Thinning	EFD dilution 400320	
Processing conditions	from 10 °C to 25 °C	
Airless spraying	delivery viscosity Nozzle 0,28-0,33 mm Angle 40° Material pressure 80-150 bar	



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High pressure spraying	20-30 sec. / 4 mm Flow cup Nozzle 1,3-1,5 mm Injection pressure 3-5 bar	DIN 53211
Material usage	without application loss 130-136 g/m ² layer thickness 30 µm	theoretical
Air drying	20 °C, 50 % relative humidity	
Dust drying	after 15 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 30 minutes (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 2 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400500	

Climatic tests

Temperature resistance	Optimum film properties, full chemical- and mechanical resilience are achieved after first heat exposure:	approx. [variable 1] minutes at minimum [variable 2] °C
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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.