



KT1817M EFDESILK-Coating

Product description

Product technology	Solvent-based air-drying coating
Heat resistance	Blasted sheet metal: Dry film thickness ca. 60 µm to 450 °C (object temperature) Exposure time: 60 minutes
Substrate	Steel, Steel, blasted

General product properties

Binder-Base	Silicone resin
Colour	All common colour shades
Gloss visually	tuff mat
Viscosity	700-900 mPa*s, spindle 3, 60 revolutions/min. DIN EN ISO 2555
Density	1,4-1,55 g/ml theoretical
Solid mass	62-66 % theoretical
Solid content in volume	39-41 % theoretical
Reference product	The specified values refer to the product KT1817MRA907.
Resistance to storage	<p>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.</p> <p>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.</p>

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
	Primer	KT1809M Dry film thickness 25-40 µm
	Top coat	KT1817M Dry film thickness 50-70 µm



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Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Thinning	EFD dilution 400009 EFD dilution 400320	
Processing conditions	from 10 °C to 25 °C	
Airless spraying	as delivered viscosity	
High pressure spraying	as delivered viscosity	
Material usage	without application loss 170-200 g/m ² layer thickness 50 µm	theoretical
Air drying	20 °C, 50 % relative humidity	
Dust drying	after 20 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 24 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 5 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400320	

Further processing of coated pieces

Repainting	possible after grinding
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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.