



## KT1817M EFDESILK-Coating

### Product description

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

### General product properties

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

<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	On blasted steel plate
	Primer	KT1809M Dry film thickness 25-40 µm
	Top coat	KT1817M Dry film thickness 50-70 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 400009 EFD dilution 400320	
<b>Processing conditions</b>	from 10 °C to 25 °C	



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<b>Airless spraying</b>	as delivered viscosity	
<b>High pressure spraying</b>	as delivered viscosity	
<b>Material usage</b>	without application loss 170-200 g/m <sup>2</sup> layer thickness 50 µm	theoretical
<b>Air drying</b>	20 °C, 50 % relative humidity	
<b>Dust drying</b>	after 20 minutes (degree of dryness 1)	DIN EN ISO 9117-5
<b>Dry to the touch</b>	after 24 hours (degree of dryness 4)	DIN EN ISO 9117-5
<b>Full drying</b>	after 5 day/s (pendulum damping)	DIN EN ISO 1522
<b>Cleaning of equipment</b>	EFD dilution 400320	

### Further processing of coated pieces

<b>Repainting</b>	possible after grinding
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### Climatic tests

<b>Temperature resistance</b>	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

<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 and 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.