

# EFDESILK

## Coating KT1827

- Solvent-based lacquer
- Air drying
- Heat resistant
  - smooth and blasted steel sheet.
  - dry film thickness < 30 µm to 200 °C (object temperature) duration of heat test: 30 min.

Technical / Physical Data	Resin/ binder		silicon resin modified with polymer resins		
	Colour		acc. to RAL 840 HR other colour shades on request		
	Gloss value DIN 67530 and DIN EN ISO 2813	KT1827H = KT1827M =	satin glossy tuff mat	55 to 70 < 31	geometry 60° geometry 85°
	Original viscosity DIN 53211*		40 to 45 Sek. / 4 mm cup		
	Thinner		EFD-Thinner 400009 or EFD-Thinner 400320		
	Density calculated		1,2 g / ml	+ / - 0,1	
	Solid content calculated		52,9 %	+ / - 1	
	Solid content in volume calculated		270 ml / kg	+ / - 5	
	Consumption calculated in original viscosity, without application loss		90 to 95 m² / kg dry film thickness 25 µm see „Special remarks“		
	Spreading rate in original viscosity, without application loss		10,5 to 11,0 m² / kg dry film thickness 25 µm see „Special remarks“		

<b>Storability</b>	Approx. 18 month in original packings at an ambient temperature of 5 to 25 °C, in case the original packings are tightly closed. Opened packing must be used very shortly. The minimum storage stability of each batch is mentioned on the product label. A storage time beyond the mentioned date doesn't necessarily mean that the material is unusable. In this case a check of the qualities which are important for the respective usage is essential due to quality guaranty reasons.
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## Processing and application

### Application

Before the use carefully stir up (e.g. with high-speed mixer).

spraying-high-pressure: in original viscosity  
by dipping: in original viscosity  
by floating: in original viscosity

### Substrates

steel

### Pretreatment

The substrate must be free of materials which prevent adhesion, e.g. oil, grease, dust and surfactant. According to the requirements we recommend to apply the suited chemical (e.g. phosphatizing, chromating) or / and mechanical (e.g. shot blasting) pretreatment.

### Proposal for a coating system

substrate: steel  
top coat: EFDESILK-Coating KT1827

### Application temperature

above 10 °C

### Drying

air drying at 20°C

dust dry: after 10 min. (degree of drying 1/ DIN 53150)  
dry to touch: after 30 min. (degree of drying 4/ DIN 53150)  
complete dry: after 24 h (swinging beam hardness / ISO 1522)

### Cleaning of working equipment

EFD-Thinner 400500

### Advise for safety protection and protection of health

The usual precautionary measures for ventilation as well as for personal protection are to be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning health protection and environment protection can be read in the corresponding safety data sheet.

## Special remarks

### Test condition

\*Indication of the delivery viscosity according to DIN 53211:

DIN 53211 was withdrawn in October 1996.

On request the value is available according to DIN EN ISO 2431.

The statements concerning efficiency, drying and caution labelling depend on colour shade. The values mentioned in this data sheet are based on KT1827MD1186 blue grey. All information is based on a standard climate 20/65 DIN 50014.

For the calculation of the practical consumption loss additions have to be considered. Indications to this are the practical experience and advices given in DIN 53220.

All information are based on our product knowledge and experience. To the application we have no direct influence. For further information please don't hesitate to contact us.

The information mentioned herein are reference values and are not given as specification.