

# EFDESILK

## Coating KT1825M

- Solvent-based lacquer, heat resistant
- Air drying
- Heat resistant: to 800°C
- Application for: exhaust system, oven, grill and more

<b>Technical / Physical Data</b>	<b>Resin/ binder</b>	silicon resin
	<b>Colour</b>	acc. to RAL 840 HR other colour shades on request
	<b>Gloss value</b> visual	mat
	<b>Original viscosity</b> DIN 53211*	20 to 30 Sek. / 4 mm cup
	<b>Density</b> calculated	1,04 g / ml + / - 0,1
	<b>Solid content</b> calculated	31 % + / - 2
	<b>Solid content in volume</b> calculated	175 ml / kg + / - 10
	<b>Consumption</b> calculated in original viscosity, without application loss	110 to 120 m <sup>2</sup> / kg dry film thickness 30 µm see „Special remarks“

**Storability**      Approx. 36 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.

## Processing and application

### Application

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

spraying-airless:	in original viscosity nozzle: 0,28 mm    spraying pressure: 120 to 150 bar
spraying-highpressure:	in original viscosity nozzle: 1,5 to 1,8 mm    spraying pressure: 3 to 5 bar

### Substrates

Steel blasted, cast

### Pretreatment

The substrate must be free of materials which prevent adhesion, e.g. oil, grease, dust and surfactant. In accordance with the requirements, shot blasting is to be used as a pretreatment process. Purity accordance DIN EN ISO 8501-1 standard degree of cleanliness SA 2½.

### Proposal for a coating system

substrate:	steel blasted
top coat:	EFDESILK-Coating KT1825M

### Application temperature

above 10 °C  
exhaust air time 10-45 min., before oven drying

**Drying**                      air drying at 20°C

dust dry:	after 10 min.	(degree of drying 1/ Din EN ISO 9117-5)
dry to touch:	after 1,5 h	(degree of drying 1/ Din EN ISO 9117-5)
complete dry:	after 5 days	(swinging beam hardness/ ISO 1522)

### Recoatibility

with itself after 1 h / 20°C or after 1 h / 400°C possible

### 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.

All information is based on a standard climate 20/65 DIN 50014.

The statements concerning efficiency, drying and caution labelling depend on colour shade. The values mentioned in this data sheet are based on KT1825MRU905, black, mat.

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.

A limited degree of solvent resistance is achieved after 1 - 2 hours at 200°C. The optimal film properties and the full chemical and mechanical durability are achieved following initial thermal stress (approx. 1 hour at a minimum of 250°C).

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.