

EFDESILK

Zinc Dust Coating KT1801MRU700

- Solvent containing zinc dust primer
- Air drying
- High abrasion resistance
- Temperature stability to 450°C (object temperature)
- Usage as mono layer with corrosion resistance
- For corrosion protection on shot blasted surfaces e. g. steel building construction, tank construction, shipbuilding industry, for machines and tools

Technical / Physical Data	Resin/ binder	Ester of silica
	Colour	grey acc. to RAL 840 HR
	Gloss value visual	tuff mat
	Original viscosity DIN 53211*	30 to 40 sec. / 4mm cup
	Thinner	EFD-Thinner 400009
	Density calculated	2,75 / ml + / - 0,2
	Solid content calculated	86 % / - 2
	Solid content in volume calculated	220 ml / kg + / - 10
	Consumption calculated in original viscosity, without application loss	340 to 380 m ² / kg dry film thickness 80 µm see „Special remarks“
	Spreading rate calculated in original viscosity, without application loss	2,6 to 2,9 m ² / kg dry film thickness 80 µm see „Special remarks“

Storability

Approx. 6 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: 0,33 to 0,50 mm	spraying pressure: 150 to 220 bar
spraying-highpressure:	after viscosity adjustment to 25 to 30 sec. nozzle: 1,5 to 1,7 mm	spraying pressure: 3 to 4 bar
by roller/ brush:	in original viscosity	

Substrates

steel blasted

Pretreatment

The substrate must be free of materials which prevent adhesion, e.g. oil, grease, dust, surfactant and steel arrears. According to the requirements we recommend to apply the suited mechanical (e.g. shot blasting) pretreatment. Purity accordance DIN EN ISO 8501-1 standard degree of cleanliness SA 2½.

Proposal for a coating system

substrate:	steel blasted
top coat:	EFDESILK-Zinc Dust Coating KT1801MRU700

Application temperature

above 10 °C

Drying

air drying at 20°C , relative humidity 60 to 80% see "special remarks"

dust dry:	after 30 min.	(degree of drying 1/ DIN 53150)
dry to touch:	after 2 h	(degree of drying 4/ DIN 53150)
complete dry:	after 1 day	(swinging beam hardness / ISO 1522)

Recoatibility

With itself after 2 to 3h with another top coats after approx. 24 hours at 20°C; rel. Humidity 60%. Prior to the recoatability EFDESILK-1K-Zincstaubfarbe has to be completely cured. The top coat will largely prevent a further curing by rel. humidity.

Cleaning of working equipment

EFD-Cleaner 400906

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.

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.

EFDESILK-Zinc Dust Coating needs for curing humidity. Therefore a rel. humidity of 60 to 80% is advantageous. Already half an hour after the application high humidities even dew, fog or rain are no disadvantage. If the humidity is only approx. 50% the curing will be highly retarded. In this case the dry free coating can be lightly sprinkled with water. In case of extremely low humidity this procedure has to be repeated.

In case of indoor application or inside of tanks the curing can be forced by feeding of moist air.

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.