

EFDEDUR

Metal Effectcoat UR1943

- 2-component polyurethan Metal Effectcoat with solvent
- Very fast drying
- For industrial goods

Technical physical data	Resin/ binder	polyacrylic resin to be hardened with isocyanate
	Colour	matallic colour shades
	Gloss value visuell	satin mat
	Original viscosity DIN 53211* without hardener	20 to 80 sec. / 4mm cup
	Mixing ratio by weight	7 : 1
	Hardener base	EFDEDUR-Hardener HU0343 Polyisocyanate
	Potlife after hardener addition	max. 3 h / 20°C
	Thinner	EFD-Universal-Thinner 400500
	Density after hardener addition calculated	1,03 g / ml + / - 0,1
	Solid content after hardener addition calculated	48 % + / - 3
	Solid content in volume after hardener addition calculated	370 ml / kg + / - 20
	Consumption calculated after hardener addition in original viscosity, without application loss	35 to 45 g / m ² dry film thickness 15 µm

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

Processing and application

Application

Components are to be mixed homogeneously (e.g. with high-speed mixer).

spraying-high pressure: after hardener addition and viscosity adjustment to 16 to 23 sec.
nozzle: 1,2 to 1,4 mm spraying pressure: 3 to 5 bar

Substrates

steel, shot blasted steel, galvanized steel, aluminium

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
primer: EFDEDUR-Spray Filler UR1927
top coat: EFDEDUR-Metal Effectcoat UR1943

Application temperature

above 10 °C

Drying

air drying at 20°C

dust dry: after 15 min. (degree of drying 1/ DIN 53150)
dry to touch: after 1 h (degree of drying 4/ DIN 53150)
complete dry: after 14 days (swinging beam hardness/ ISO 1522)

oven drying: to 80 °C possible (object temperature)

Recoatibility

With itself after previous cleaning, at any time 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 values mentioned in this data sheet are based on UR1943HG1773, grey aluminium RAL 9007 satin mat and hardening with HU0343.

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.