FreiLacke

Technical Data Sheet

EFDEDUR

Filler
UR1911

- Containing solvant, two component, polyurethan, priming-coat
- Fast drying
- Good sanding

Technical/ Physical data	**Resin/ binder**	polyacrylic resin to be hardened with isocyanate
	Colour	white, black other colour shades on request
	Gloss value DIN 67530	mat 5 to 15 geometry 85°
	Original viscosity without hardener	5 to 7 dPa.s / Spindel 3
	Mixing ratio by weight	10 : 1
	Hardener base	EFDEDUR-Hardener HU0032 polyisocyanate
	Potlife after hardener addition	max. 4 h / 20°C
	Thinner	EFD-Thinner 400018
	Density after hardener addition calculated	1,4 g / ml + / - 0,1
	Solid content after hardener addition calculated	66 % + / - 2
	Solid content in volume after hardener addition calculated	320 ml / kg + / - 10
	Consumption calculated after hardener addition in original viscosity, without application loss	150 to 160 g / m² dry film thickness 50 µm
Storability	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	

DIN EN ISO 9001
ISO/TS 16949
EMAS

Emil Frei GmbH & Co.
Lackfabrik Döggingen
Am Bahnhof 6
D- 78195 Bräunlingen
Phone: +49 (0)7707 151-0
Fax: +49 (0)07707 151-238
info@freilacke.de,
www.freilacke.de

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Processing and application

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

spraying-airless:	after hardener addition and viscosity adjustment to 50 to 60 sec. nozzle: 0,013 ince geometry 40° spraying pressure: 150 bar
spraying-high pressure:	after hardener addition and viscosity adjustment to 20 to 30 sec. nozzle: 1,8 mm spraying pressure: 3 to 4 bar

Substrates
steel, PU expanded polystyrene

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

subtrate:	steel	
primer:	EFDEDUR-Filler	UR1911
top coat:	EFDEDUR-Paint	UR1044

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 12 h	(degree of drying 4	/ DIN 53150)
complete dry:	after 24 h	(swinging beam hardness	/ ISO 1522)

oven drying: to 100°C possible (object temperature)

Recoatability
after 20 min.

Cleaning of working equipment
EFD-Cleaning Agent 400500

Advise for safety protection and protection of health
The usual precautionery measures for ventilation as well as for personal protection are to be observed when handling painting materials. Detailled information about dangerous goods, sayfety 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 and drying depend on colour shade.
The values mentioned in this data sheet are based on UR1911MRU910, white and hardening with HU0032.

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.