

EFDEDUR

Primer UR1400

- Solvent born, two component, polyurethan-primer
- High filling power
- Good adhesion on steel
- Fast drying
- Good wet- and dry sanding
- For industrial goods and construction machines
- Universal recoatable

Technical/ physical data	Resin/ binder	polyacrylic resin to be hardened with isocyanate
	Colour	acc. to RAL 840 HR other colour shades on request
	Gloss value visuell	tuff mat
	Original viscosity without hardener	850 bis 950 mPa.s / Sp.4
	Mixing ratio by weight	10 : 0,6 HU0343 - faster drying
	Hardener base	EFDEDUR-Hardener HU0343 polyisocyanate
	Potlife after hardener addition	max. 6 h / 20°C
	Thinner	EFD-Thinner 400320
	Density after hardener addition calculated	1,3 g / ml + / - 0,05
	Solid content after hardener addition calculated	63 % + / - 2
	Solid content in volume after hardener addition calculated	340 ml / kg + / - 10
	Consumption calculated after hardener addition in original viscosity, without application loss	170 to 190 g / m ² dry film thickness 60 µm see „Special remarks“

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

Processing and application

Application

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

spraying-airless:	in original viscosity after hardener addition
	nozzle: 0,013 inch 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, non ferrous metals

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-Primer	UR1400
top coat:	EFDEDUR-Paint	UR1044

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 90 min.	(degree of drying 4	/ DIN 53150)
complete dry:	after 8 days	(swinging beam hardness	/ ISO 1522)

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

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.

Information about Hardener and Thinner

The hardener and the thinner mentioned on page 1 are stated as standard components for this paint system. The standard hardener is also written in the order documents as well as on the label. Furthermore there are additional hardeners and thinners, which can be used as alternative in case the standard components doesn't meet the requirements. These products are tailor-made e.g. faster or slower hardening.

Hardener are taking influence on the gloss. (see page 1).

Special remarks**Test condition**

The statements concerning efficiency and drying depend on colour shade.
The values mentioned in this data sheet are based on UR1400MRU102, sand yellow,
and hardening with HU0343.

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.