

EFDEDUR

UHS-Primer UR1933H

- Ultra-High-Solid Primer with solvent
- Good adhesion on different undergrounds
- Good corrosion protection
- For industrial goods and all kinds of construction machines

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 visual	satin glossy
	Original viscosity	1600 to 2500 mPas/ Spindle 5 60 rotations/ min.
	Mixing ratio by weight	4 : 1
	Mixing ratio by Volume parts	2,7 : 1
	Hardener base	EFDEDUR-Hardener HU0400 polyisocyanate
	Potlife after hardener addition	max. 1 h / 20°
	Thinner	EFD-Thinner 400500
	Density after hardener addition calculated	1,35 / ml + / - 0,05
	Solid content after hardener addition calculated	75 % + / - 2
	Solid content in volume after hardener addition calculated	460 ml / kg + / - 5
	Consumption calculated, after hardener addition in original viscosity, without application loss	150 to 155 g / m ² dry film thickness 70 µm see „Special remarks“
	Spreading rate calculated, after hardener addition, in original viscosity, without application loss	6,0 to 7,0 m ² / kg dry film thickness 70 µm see „Special remarks“

Storability

Approx. 12 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-airmix: in original viscosity after hardener addition
 nozzle: 0,33 mm or 0,13 inch geometry 40°
 spraying pressure: 130 to 160 bar

spraying-high pressure: after hardener addition
 nozzle: 1,3 - 1,5 mm spraying pressure: 4 bar

Substrates

shot blasted steel, steel, steel iron phosphatized

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:	shot blasted steel	
primer:	EFDEDUR-UHS-Primer	UR1933HRU735
top coat:	EFDEDUR-UHS-Coating	UR1447NH3307

Application temperature

required 18 to 24 °C

Drying

air drying at 20°C

dust dry:	after 30 min.	(degree of drying 1/ DIN EN ISO 9117-5)
complete dry:	after 10 days	(swinging beam hardness/ DIN EN ISO 1522)

Recoatability

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**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).

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, drying and caution labelling depend on colour shade. The values mentioned in this data sheet are based on UR1933HRU735, light grey and hardening with HU0400.

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.