

EFDEDUR

Primer UR1916B

B = Variation to the existing standard system/
construction machines

- Solvent born, two component, polyurethan-ac-primer
- High filling power
- Good adhesion on steel and different plastics
- Fast drying
- Good wet- and dry sanding, also in thick layers
- 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	mat	
	Original viscosity DIN 53211* after hardener addition	60 to 70 sec. / 4 mm cup	
	Mixing ratio by weight	5 :1 (= 20 weight %) Deviating test conditions require an express agreement.	
	Hardener base	EFDEDUR-Hardener HU0062 polyisocyanate	
	Potlife after hardener addition	max. 8 h / 20 °C	
	Thinner	EFD-Thinner	400320
	Density after hardener addition calculated	1,4 g / ml	+ / - 0,05
	Solid content after hardener addition calculated	65 %	+ / - 2
	Solid content in volume after hardener addition calculated	340 ml / kg	+ / - 10
	Consumption calculated after hardener addition in original viscosity, without application loss	140 to 150 g / m ² dry film thickness 50 µm see „Special remarks“	

Primer
UR1916B

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, PU expanded polystyrene, different plastics

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	UR1916B
top coat:	EFDEDUR-Paint	UR1040B

Application temperature

above 10 °C

Drying

air drying at 20°C

dust dry:	after 40 min.	(degree of drying 1	/ DIN 53150)
dry to touch:	after 5 h	(degree of drying 4	/ DIN 53150)
complete dry:	after 25 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.

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 UR1916BRU735, light grey hardening with HU0062.

All information is based on a standard climate 20/65 DIN 50014.

Fulfills O & K-standard in accordance with code 066,401 with test report lab No.: 612 028-1.

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.