

# 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

<b>Technical/ physical data</b>	<b>Resin/ binder</b>	polyacrylic resin to be hardened with isocyanate
	<b>Colour</b>	acc. to RAL 840 HR other colour shades on request
	<b>Gloss value</b> visuell	mat
	<b>Original viscosity</b> DIN 53211* after hardener addition	60 to 70 sec. / 4 mm cup
	<b>Mixing ratio</b> by weight	5 : 1 (= 20 weight %) Deviating test conditions require an express agreement.
	<b>Mixing ratio</b> by volume	3,4 : 1
	<b>Hardener</b> base	EFDEDUR-Hardener HU0062 polyisocyanate
	<b>Potlife</b> after hardener addition	max. 8 h / 20°C
	<b>Thinner</b>	EFD-Thinner 400320
	<b>Density</b> after hardener addition calculated	1,4 g / ml +/- 0,05
	<b>Solid content</b> after hardener addition calculated	65 % +/- 2
	<b>Solid content in volume</b> after hardener addition calculated	340 ml / kg +/- 10
	<b>Consumption</b> calculated after hardener addition in original viscosity, without application loss	140 to 150 g / m <sup>2</sup> dry film thickness 50 µm see „Special remarks“

Primer  
UR1916B

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## Storability

Approx. 24 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

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## 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

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### Substrates

steel, non ferrous metals, PU expanded polystyrene, different plastics

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### 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.

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### Proposal for a coating system

substrate:	steel	
primer:	EFDEDUR-Primer	UR1916B
top coat:	EFDEDUR-Paint	UR1040B

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### Application temperature

above 10 °C

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### 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)

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### Cleaning of working equipment

EFD-Thinner 400500

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### 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.

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## 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.