

# EFDEDUR

## Paint UR1982M

- 2-component-polyurethane-finish paint with solvent
- Fast drying
- Conductive

<b>Technical / Physical Data</b>	<b>Resin/ binder</b>	acrylic resin to be hardened with isocyanate	
	<b>Colour</b>	colour shades on request	
	<b>Gloss value</b> visual	mat	
	<b>Original viscosity</b> DIN 53211* without hardener	35 to 45 Sek. / 4 mm cup	
	<b>Mixing ratio</b> by weight	9 : 1	
	<b>Mixing ratio</b> by volume	7,2 : 1	
	<b>Hardener</b> base	EFDEDUR-Hardener polyisocyanate	HU0001
	<b>Potlife</b> after hardener addition	max. 2 h / 20°C	
	<b>Thinner</b>	EFD-Thinner	400500
	<b>Density</b> after hardener addition calculated	1,20 g / ml	+ / - 0,1
	<b>Solid content</b> after hardener addition calculated	56 %	+ / - 2
	<b>Solid content in volume</b> after hardener addition calculated	320 ml / kg	+ / - 10
	<b>Consumption</b> calculated, after hardener addition in original viscosity, without application loss	90 to 120 m <sup>2</sup> / kg dry film thickness 30 µm see „Special remarks“	
	<b>Spreading rate</b> calculated, after hardener addition in original viscosity, without application loss	9 to 10 m <sup>2</sup> / kg dry film thickness 30 µm see „Special remarks“	

<b>Storability</b>	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.																		
<b>Processing and application</b>	<p><b>Application</b> Components are to be mixed homogeneously (e.g. with high-speed mixer).</p> <p>spraying-highpressure:      after hardener addition and viscosity adjustment to 25 to 30 sec./ 4 mm nozzle: 1,4 to 1,7 mm    spraying pressure: 3 to 4 bar</p> <p><b>Substrates</b> primed steel</p> <p><b>Pretreatment</b> The substrate must be free of materials which prevent adhesion, e.g. oil, grease, dust and surfactant.</p> <p><b>Proposal for a coating system</b></p> <table border="0"> <tr> <td>substrate:</td> <td>primed steel</td> <td></td> </tr> <tr> <td>primer:</td> <td>FREOPOX-Zinc Dust Primer</td> <td>ER1920M</td> </tr> <tr> <td>top coat:</td> <td>EFDEDUR-Paint</td> <td>UR1982M</td> </tr> </table> <p><b>Application temperature</b> above 10 °C</p> <p><b>Drying</b>                      air drying at 20°C</p> <table border="0"> <tr> <td>dust dry:</td> <td>after 10 min.</td> <td>(degree of drying 1/ DIN EN ISO 9117-5)</td> </tr> <tr> <td>dry to touch:</td> <td>after 1,5 h</td> <td>(degree of drying 4/ DIN EN ISO 9117-5)</td> </tr> <tr> <td>complete dry:</td> <td>after 7 days</td> <td>(swinging beam hardness/ DIN EN ISO 1522)</td> </tr> </table> <p>oven drying:                  to 80°C possible                  (object temperature)</p> <p><b>Cleaning of working equipment</b> EFD-Thinner 400500</p> <p><b>Advise for safety protection and protection of health</b> 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, sayfety data and recommendations concerning health protection and environment protection can be read in the corresponding safety data sheet.</p>	substrate:	primed steel		primer:	FREOPOX-Zinc Dust Primer	ER1920M	top coat:	EFDEDUR-Paint	UR1982M	dust dry:	after 10 min.	(degree of drying 1/ DIN EN ISO 9117-5)	dry to touch:	after 1,5 h	(degree of drying 4/ DIN EN ISO 9117-5)	complete dry:	after 7 days	(swinging beam hardness/ DIN EN ISO 1522)
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<b>Special remarks</b>	<p><b>Information about Hardener and Thinner:</b> The hardener and the thinner mentioned on page 1 are stated as standard componetes for this paint system. The standard hardener is also written in the order documents as well as on the label.</p> <p><b>EFD-Info</b> Refer to the EFD information for further technical information. EFD-Info No. 162 "Technical information on coatings with conductive or dissipative properties".</p>																		

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**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 UR1982MB2979, blue grey, mat and hardening with HU0001.

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.