



## UR1937H\_HU0400 EFDEDUR-UHS-Primer

### Product description

<b>Product technology</b>	Ultra-high-solid coating
<b>Application area</b>	e.g. in the mechanical engineering and plant construction sector
<b>Application</b>	set ready for processing
<b>Stability</b>	good
<b>Corrosion protection</b>	very good
<b>Substrate</b>	Steel, Grey cast iron, Steel, blasted, iron-phosphated steel

### General product properties

<b>Binder-Base</b>	Acrylic Resin
<b>Colour</b>	in accordance with RAL 840 HR other colours on request
<b>Gloss visually</b>	satin mat
<b>Viscosity</b>	Flow time 100-150 sec. 4 mm flow cup <span style="float: right;">DIN 53211</span>
<b>Density</b>	1,63-1,72 g/ml after addition of hardener <span style="float: right;">theoretical</span>
<b>Solid mass</b>	79-81 % after addition of hardener <span style="float: right;">theoretical</span>
<b>Solid content in volume</b>	370-380 ml/kg <span style="float: right;">theoretical</span> 354-364 % after addition of hardener <span style="float: right;">theoretical</span>
<b>Reference product</b>	The specified values refer to the product UR1937HRU102.
<b>Resistance to storage</b>	approx. 12 month in original packagings at an ambient temperature of 5 to 25 °C. Open packages are to be used within a short time.  The minimum storage stability of each batch is stated on the product label. The material does not necessarily become unusable if stored for longer than this period. However, for quality assurance purposes, an inspection of these materials is essential to ensure that they are still suitable for the intended application.

### Application and processing

<b>Pretreatment</b>	The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, mill scale, wax and release agent residues. We recommend the use of suitable mechanical pre-treatment processes (e.g. blasting, grinding) or chemical pre-treatment processes (e.g. phosphating) according to the requirements.
<b>Structure recommendation</b>	Substrate <span style="margin-left: 100px;">On blasted steel plate</span>



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Primer	UR1937H Mixing ratio 9:1 HU0400 Dry film thickness 80 µm
Top coat	UR1409 Coating thickness 70 µm
<b>Note before use</b>	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).
<b>Hardener</b>	HU0400
<b>Mixin ratio</b>	Parts by weight 9:1  Volume parts auf Anfrage/siehe Produktetikett
<b>Thinning</b>	EFD dilution 400500
<b>Dry film thickness</b>	must not exceed 100 µm - risk of surface defects.
<b>Object temperature</b>	10-30 °C, minimum +3 °C above dew point temperature
<b>Processing conditions</b>	Room temperature 18-24 °C
<b>Processing time</b>	max. 2 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.
<b>Airmix spraying</b>	as delivered viscosity Nozzle 0,28 mm angle 40° Material pressure 80-120 bar
<b>High pressure spraying</b>	as delivered viscosity after adding curing agent spray pressure 1,8 bar
<b>Material usage</b>	without application loss 210-230 g/m <sup>2</sup> <span style="float: right;">theoretical</span> layer thickness 80 µm after addition of hardener
<b>Oven drying</b>	up to 70 °C possible
<b>Dust drying</b>	after 20-25 minutes (degree of dryness 1) <span style="float: right;">DIN EN ISO 9117-5</span>
<b>Dry to the touch</b>	after 3 hours (degree of dryness 4) <span style="float: right;">DIN EN ISO 9117-5</span>
<b>Full drying</b>	after 10 day/s (pendulum damping) <span style="float: right;">DIN EN ISO 1522</span>
<b>Cleaning of equipment</b>	EFD dilution 400500

### Comments

<b>EFD info</b>	Further technical information can be found in the EFD Info. No. 170+510.
<b>Work-and Healthprotection</b>	The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health and Safety at Work and environmental protection can be found in the corresponding safety data sheet.



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### Test conditions

All information is based on a standard climate 23/50 DIN EN 23270. All information is based on our product knowledge and experience. We have no direct influence on the application itself. Please do not hesitate to contact us for further information.

The information provided here contains reference values and does not constitute a specification.