



## UR1011G\_HU0090 EFDEDUR-Coating

### Product description

<b>Product technology</b>	High-solid coating
<b>Application area</b>	e.g. in the mechanical engineering and plant construction sector
<b>Stability</b>	good
<b>Substrate</b>	Steel, Stainless steel, Steel, blasted

### General product properties

<b>Binder-Base</b>	Acrylic Resin		
<b>Colour</b>	in accordance with RAL 841 GL other colours on request		
<b>Gloss value</b>	high glossy	75-90 GU, angle 20°	DIN EN ISO 2813
<b>Viscosity</b>	Flow time 25-35 sec., 4 mm flow cup		DIN 53211
<b>Density</b>	1,25-1,35 g/ml after addition of hardener		theoretical
<b>Solid mass</b>	64,5-67,0 % after addition of hardener		theoretical
<b>Solid content in volume</b>	51,0-52,0 % after addition of hardener		theoretical
<b>Reference product</b>	The specified values refer to the product UR1011GRG704.		
<b>Resistance to storage</b>	<p>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.</p> <p>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.</p>		



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### 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	Steel
<b>Note before use</b>	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
<b>Hardener</b>	HU0090	
<b>Mixin ratio</b>	Parts by weight 5,5:1	
<b>Thinning</b>	EFD dilution 400450 EFD dilution 400320	
<b>Processing conditions</b>	from 10 °C to 25 °C	
<b>Processing time</b>	max. 5 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.	
<b>Airless spraying</b>	as delivered viscosity after curing agent addition Nozzle 0,33 mm Angle 40° Material pressure 150 bar	
<b>Airmix spraying</b>	as delivered viscosity after curing agent addition Nozzle 0,33 mm angle 40° Material pressure 80-120 bar Atomiser pressure 3,0 bar	
<b>High pressure spraying</b>	as delivered viscosity after adding curing agent nozzle 1,5-1,8 mm spray pressure 4-5 bar	
<b>Rolling/painting</b>	rolling/painting	as delivered viscosity Add 0,3 to 0,5% by wight EFD-Relaxation agent 300807 for roller and brush application in case of bubble formation.
<b>Electrostatic</b>	possible, system-specific	
<b>Material usage</b>	without application loss 95-105 g/m <sup>2</sup> layer thickness 40 µm after addition of hardener	theoretical
<b>Air drying</b>	20 °C, 50 % relative humidity	
<b>Oven drying</b>	up to 80 °C possible (object temperature)	
<b>Dust drying</b>	after 30 minutes (degree of dryness 1)	DIN EN ISO 9117-5

Our technical data sheets are to provide you with advice based on our latest state of knowledge. This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications. The sale of our products is in accordance with our terms of business, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS

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<b>Dry to the touch</b>	after 20 hours (degree of dryness 4)	DIN EN ISO 9117-5
<b>Full drying</b>	after 10 day/s (pendulum damping)	DIN EN ISO 1522
<b>Cleaning of equipment</b>	with EFD dilution 400500 within the processing time.	

### Further processing of coated pieces

<b>Repainting</b>	possible with same quality, dry at the earliest after matting.
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### Comments

<b>EFD info</b>	Further technical information can be found in the EFD Info. No. 170.
<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.
<b>Test conditions</b>	<p>All information is based on a standard climate 23/50 DIN EN 23270. All information is based on our product knowledge an experience. We have no direct influence on the application itself. Please do not hesitate to contact us for further information.</p> <p>The information provided here contains reference values and does not constitute a specification.</p>