



## UR1955G\_HU0061 EFDEDUR-Coating

### Product description

<b>Product technology</b>	solvent-based 2-component coating
<b>Application area</b>	e.g. in the vehicle construction sector
<b>Application</b>	For interior and exterior applications
<b>Resistance to light and weather</b>	very good

### General product properties

<b>Binder-Base</b>	Acrylic Resin		
<b>Colour</b>	in accordance with RAL 840 HR other colours on request		
<b>Gloss value</b>	high glossy	75-95 GU, angle 20°	DIN EN ISO 2813
<b>Viscosity</b>	Flow time 80-100 sec., 4 mm flow cup		DIN 53211
<b>Density</b>	1,0-1,2 g/ml after addition of hardener		theoretical
<b>Solid mass</b>	51-59 % after addition of hardener		theoretical
<b>Solid content in volume</b>	42-45 % after addition of hardener		theoretical
<b>Reference product</b>	The specified values refer to the product UR1955GRA911.		
<b>Resistance to storage</b>	<p>approx. 18 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>		

### 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	
	Primer	ER1912M Mixing ratio 5:1 HE0052 Dry film thickness 70-90 µm	
	Top coat	UR1955G Mixing ratio 5:1 HU0061 Dry film thickness 40-50 µm	
<b>Note before use</b>	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		



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<b>Hardener</b>	HU0061	
<b>Mixin ratio</b>	Parts by weight 5:1 Volume parts 3,66:1	
<b>Thinning</b>	EFD dilution 400320	
<b>Processing conditions</b>	from 10 °C to 25 °C	
<b>Processing time</b>	max. 4 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.	
<b>Airless spraying</b>	delivery viscosity Nozzle 0,28-0,33 mm Angle 40° Material pressure 150 bar	
<b>Airmix spraying</b>	as delivered viscosity Nozzle 0,28-0,33 mm angle 40° Material pressure 80-100 bar Atomiser pressure 3-4 bar	
<b>High pressure spraying</b>	Set to 18-22 sec / 4 mm flow-cup after adding hardener Nozzle 1,8 mm Spray pressure 3-4 bar	DIN 53211
<b>Electrostatic</b>	possible, system-specific	
<b>Material usage</b>	without application loss 120-135 g/m <sup>2</sup> layer thickness 50 µm after addition of hardener	theoretical
<b>Air drying</b>	20 °C, 50 % relative humidity	
<b>Oven drying</b>	up to 100 °C possible (object temperature)	
<b>Dust drying</b>	after 45 minutes (degree of dryness 1)	DIN EN ISO 9117-5
<b>Dry to the touch</b>	after 8 hours (degree of dryness 4)	DIN EN ISO 9117-5
<b>Full drying</b>	after 20 day/s (pendulum damping)	DIN EN ISO 1522
<b>Cleaning of equipment</b>	EFD dilution 400500	

### Further processing of coated pieces

<b>Repainting</b>	after 0,5 hours / room temperature approx. 20 °C.
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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.



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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.