



## UR1929G\_HU0010 EFDEDUR-Clearcoat

### Product description

<b>Product technology</b>	solvent-based 2-component coating
<b>Application area</b>	e.g. in the mechanical engineering and plant construction sector
<b>Application</b>	For interior and exterior applications
<b>Mechanical resistance</b>	good
<b>Resistance to light and weather</b>	good
<b>Substrate</b>	Plastic, not defined in more detail, Non-ferrous metals, Steel

### General product properties

<b>Binder-Base</b>	Acrylic Resin	
<b>Colour</b>	colourless	
<b>Gloss visually</b>	high glossy	
<b>Viscosity</b>	Flow time 22-25 sec., 4 mm flow cup	DIN 53211
<b>Density</b>	0,9-1,1 g/ml after addition of hardener	theoretical
<b>Solid mass</b>	39,6-41,6 % after addition of hardener	theoretical
<b>Solid content in volume</b>	350-370 ml/kg after addition of hardener	theoretical
<b>Reference product</b>	The specified values refer to the product UR1929GRA999.	
<b>Resistance to storage</b>	approx. 24 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.
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<b>Structure recommendation</b>	Substrate	Aluminium
	Primer	ER1912M Mixing ratio 5:1 HE0052 Dry film thickness 70-90 µm
	Intermediate layer	UR1040H_Metallic Mixing ratio 5:1 HU0001 Dry film thickness 15-30 µm
	Top coat	UR1929GRA999 Mixing ratio 5:1 HU0010 Dry film thickness 30-40 µm
<b>Note before use</b>	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
<b>Hardener</b>	HU0010	
<b>Mixin ratio</b>	Parts by weight 5:1 Volume parts 5,5:1	
<b>Thinning</b>	EFD dilution 400320 EFD dilution 400500	
<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>High pressure spraying</b>	Set to 20-30 sec / 4 mm flow-cup after adding hardener Nozzle 1,4-1,8 mm Spray pressure 3-5 bar	DIN 53211
<b>Material usage</b>	without application loss 75-85 g/m² layer thickness 30 µm after addition of hardener	theoretical
<b>Oven drying</b>	up to 100 °C possible (object temperature)	
<b>Air drying</b>	20 °C, 50 % relative humidity	
<b>Dust drying</b>	after 30 minutes (degree of dryness 1)	
<b>Dry to the touch</b>	after 8 hours (degree of dryness 4)	
<b>Full drying</b>	after 4 day/s (pendulum damping)	
<b>Cleaning of equipment</b>	EFD dilution 400500	

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.

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FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6  
78199 Bräunlingen-Döggingen | Deutschland  
+49 77071510  
[www.freilacke.de](http://www.freilacke.de) | [info@freilacke.de](mailto:info@freilacke.de)



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#### Comments

<b>Alternative hardener</b>	on request
<b>EFD info</b>	Further technical information can be found in the EFD Info. No. 170.
<b>Liability test</b>	Recommended performing adhesion tests if substrates painted differ from those mentioned in the product description.
<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>	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.