



UR1905G_HU0001 EFDEDUR-Clearcoat

Product description

Product technology	solvent-based 2-component coating
Application area	e.g. in the mechanical engineering and plant construction sector
Gloss value	high glossy
Application	For interior and exterior applications
Substrate	Plastic, not defined in more detail, Non-ferrous metals, Steel, Wood

General product properties

Binder-Base	Acrylic Resin	
Colour	colourless	
Viscosity	Flow time 18-20 sec., 4 mm flow cup	DIN 53211
Density	0,9-1,0 g/ml after addition of hardener	theoretical
Solid mass	41,6-43,6 % after addition of hardener	theoretical
Solid content in volume	380-400 ml/kg after addition of hardener	theoretical
Reference product	The specified values refer to the product UR1905GRA999.	
Resistance to storage	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

Pretreatment	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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Structure recommendation	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	UR1905GRA999 Mixing ratio 4:1 HU0001 Dry film thickness 40-60 µm
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Hardener	HU0001	
Mixin ratio	Parts by weight 4:1	
Thinning	EFD dilution 400018 EFD dilution 400320	
Processing conditions	from 10 °C to 25 °C	
Processing time	max. 4 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.	
High pressure spraying	Set to 17-22 sec / 4 mm flow-cup after adding hardener Nozzle 1,2-1,8 mm Spray pressure 3-5 bar	DIN 53211
Rolling/painting	as delivered viscosity after curing agent addition	
Material usage	without application loss 97-107 g/m² layer thickness 40 µm after addition of hardener	theoretical
Oven drying	up to 70 °C possible (object temperature)	
Air drying	20 °C, 50 % relative humidity	
Dust drying	after 20 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 5 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 9 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400500	



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Comments

EFD info

Further technical information can be found in the EFD Info. No. 170.

Work-and Healthprotection

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.

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.