UR1929H_HU0010
EFDEDUR-Clearcoat

Product description

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

General product properties

Binder-Base	Acrylic Resin	
Colour	colourless	
Gloss visually	Satin gloss	
Viscosity	Flow time 30-35 sec., 4 mm flow cup	DIN 53211
Density	0,89-1,09 g/ml after addition of hardener	theoretical
Solid mass	40-44 % after addition of hardener	theoretical
Solid content in volume	330-370 ml/kg after addition of hardener	theoretical
Reference product	The specified values refer to the product UR1929HRA999.	
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.

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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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	UR1929HRA999 Mixing ratio 5:1 HU0010 Dry film thickness 30-40 µm	
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		
Hardener	HU0010		
Mixin ratio	Parts by weight 5:1		
	Volume parts 5,5:1		
Thinning	EFD dilution 400320 EFD dilution 400500		
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 20-30 sec / 4 mm flow-cup after adding hardener Nozzle 1,4-1,8 mm Spray pressure 3-5 bar	DIN 53211	
Material usage	without application loss 90-110 g/m² layer thickness 30 µm after addition of hardener	theoretical	
Oven drying	up to 100 °C possible (object temperature)		
Air drying	20 °C, 50 % relative humidity		
Dust drying	after 30 minutes (degree of dryness 1)	DIN EN ISO 9117-5	
Dry to the touch	after 8 hours (degree of dryness 4)	DIN EN ISO 9117-5	
Full drying	after 4 day/s (pendulum damping)	DIN EN ISO 1522	
Cleaning of equipment	EFD dilution 400500		

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Comments

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

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