UR1937H_HU0400
EFDEDUR-UHS-Primer

Product description

Product technology	Ultra-high-solid coating
Application area	e.g. in the mechanical engineering and plant construction sector
Application	set ready for processing
Stability	good
Corrosion protection	very good
Substrate	Steel, Grey cast iron, Steel, blasted, iron-phosphated steel

General product properties

Binder-Base	Acrylic Resin	
Colour	in accordance with RAL 840 HR other colours on request	
Gloss visually	satin mat	
Viscosity	Flow time 100-150 sec. 4 mm flow cup	DIN 53211
Density	1,63-1,72 g/ml after addition of hardener	theoretical
Solid mass	79-81 % after addition of hardener	theoretical
Solid content in volume	370-380 ml/kg	theoretical
	354-364 % after addition of hardener	theoretical
Reference product	The specified values refer to the product UR1937HRU102.	
Resistance to storage	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. 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	On blasted steel plate	
	Primer	UR1937H Mixing ratio 9:1 HU0400 Dry film thickness 80 µm	
	Top coat	UR1409 Coating thickness 70 µm	
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		
Hardener	HU0400		
Mixin ratio	Parts by weight 9:1		
	Parts by volume available on request as dependent on color shade		
Thinning	EFD dilution 400500		
Dry film thickness	must not exceed 100 µm - risk of surface defects.		
Object temperature	10-30 °C, minimum +3 °C above dew point temperature		
Processing conditions	Room temperature 18-24 °C		
Processing time	max. 2 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.		
Airmix spraying	as delivered viscosity Nozzle 0,28 mm angle 40° Material pressure 80-120 bar		
High pressure spraying	as delivered viscosity after adding curing agent spray pressure 1,8 bar		
Material usage	without application loss 210-230 g/m² layer thickness 80 µm after addition of hardener	theoretical	
Oven drying	up to 70 °C possible		
Dust drying	after 20-25 minutes (degree of dryness 1)	DIN EN ISO 9117-5	
Dry to the touch	after 3 hours (degree of dryness 4)	DIN EN ISO 9117-5	
Full drying	after 10 day/s (pendulum damping)	DIN EN ISO 1522	
Cleaning of equipment	EFD dilution 400500		

Comments

EFD info	Further technical information can be found in the EFD Info. No. 170+510.
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.

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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 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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