UR1972H_HU0296
EFDEDUR-UHS-Primer

Product description

Product technology	Ultra-high-solid coating
Application area	e.g. in the vehicle construction sector
Mechanical resistance	good flexibility
Corrosion protection	very good
Substrate	Steel, blasted, iron-phosphated steel

General product properties

Binder-Base	Polyester resin	
Colour	in accordance with RAL 840 HR other colours on request	
Gloss visually	Satin gloss	
Viscosity	1800-2300 mPa*s, spindle 4, 60 revolutions/min.	DIN EN ISO 2555
Density	1,40-1,50 g/ml after addition of hardener	theoretical
Solid mass	75-79 % after addition of hardener	theoretical
Solid content in volume	61-63 %	theoretical
Reference product	The specified values refer to the product UR1962HRU102.	
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.	

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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.	
Structure recommendation	Substrate	On blasted steel plate
	Primer	UR1972H Dry film thickness 70 µm
	Top coat	UR1493 Dry film thickness 50 µm
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Hardener	HU0296	
Mixin ratio	Parts by weight available on request as dependent on color shade	
	Volume parts 3:1	
Thinning	EFD dilution 400500	
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.	
Airless spraying	as delivered viscosity after curing agent addition	
Airmix spraying	as delivered viscosity after curing agent addition	
High pressure spraying	as delivered viscosity after adding curing agent	
Material usage	without application loss 160-170 g/m² layer thickness 70 µm after addition of hardener	theoretical
Dust drying	after 90-110 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Full drying	after 10 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400500	

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Further processing of coated pieces

Repainting	Recommended application times	UR1972H in layer system with UR1493 >15 min. <120 min.: wet-on-wet application >/=3 Days: Grind primer. Afterwards, clean the grinded surface removing adhesion-impairing surfaces (e.g. by means of isopropanol).

Comments

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