Technical Data Sheet





WU1420M_HU0208 EDEDUR-Hydro-Primer

Product description

Product technology	water-thinnable 2C coating
Application area	e.g. in the mechanical engineering and plant construction sector
Drying	quickly
Corrosion protection	good
Substrate	Steel

General product properties

Binder-Base	Acrylic Resin		
Colour	All common colour shades		
Gloss value	mat	10-40 GU, angle 85°	DIN EN ISO 2813
Viscosity	Flow time 50-70 sec. 4 mm flow cup		DIN 53211
Solid mass	62-66 % after addition of hardener		theoretical
Solid content in volume	48-52 % after addition of har	dener	theoretical
Reference product	The values given refer to the product with the shade WU1420MRU910.		
Resistance to storage	approx. 12 month in original packagings at an ambient temperature of 5 to 25 °C. Protect from frost. Open packages are to be used within a short time.		
	does not necessarily become	y of each batch is stated on the e unusable if stored for longer t an inspection of these material ntended application.	han this period. However, for

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.

DIN EN ISO 9001 | IATF 16949 | EMAS

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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-		
Structure recommendation	Substrate	On iron-phosphated steel pla	te
	Primer	WU1420MRU910 Mixing ratio 4:1/ HU0208 Dry film thickness 60 µm	
	Top coat	WU1430HL1613 Mixing ratio 4:1/ HU0208 Dry film thickness 40 µm	
Note before use	Prior to use, stir well or mix skin formation, over-coat wit	components homogeneously (e th water.	.g. with fast mixer). To prevent
Hardener	HU0208 see technical data sheet		
Mixin ratio	Parts by weight 4:1		
	Volume parts 3:1		
Thinning	demineralised water		
Dry film thickness	must not exceed 60 μm – risk of reaction bubbles.		
Object temperature	10-30 °C, minimum +3 °C above dew point temperature		
Processing conditions	Room temperature 18-22 °C Relative humidity 40-60 %	2	
Processing time		cannot be detected from gelling. tures and/or under pressure.	The processing time can
Airmix spraying	50-80 sec. / 4 mm viscosity Nozzle 0,23 mm angle 30° Material pressure 100 bar Atomiser pressure 3 bar	cup	DIN 53211
High pressure spraying	50-70 sec. / 4 mm Flow cup Nozzle 1,7 mm Injection pressure 3 bar		DIN 53211
Material usage	without application loss 150- layer thickness 60 µm	-160 g/m²	theoretical

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Oven drying	up to 70 °C possible	
Air drying	18-22 °C, 40-60 % relative humidity	
Dust drying	after 15 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 4 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 8 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	immediately with water - possibly with addition of 5-10 % by weight EFD cleaning agent 400916, dried-on equipment with org. solvents, e.g. EFD thinner 400424. Do not mix curing agent with water! The cleaning must be carried out with organic solvents.	

Further processing of coated pieces

Repainting	possible with same quality, dry at the earliest after matting.
Comments	
EFD info	Further technical information can be found in the EFD Info. No. 111 + 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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