Technical Data Sheet





WU1458G_HU0448 EFDEDUR-Hydro-Coating

Product description

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

General product properties

Binder-Base	Acrylic Resin		
Colour	All common colour shades		
Gloss value	glossy	30-40 GU, Angle 20°	DIN EN ISO 2813
Viscosity	Flow time 28-38 sec. 4 mm f	low cup	DIN 53211
pH-Value	8,0-8,5		DIN 19260
Solid mass	53-55 % after addition of hard	dener	theoretical
Solid content in volume	40-42 % after addition of hard	dener	theoretical
Reference product	The values given refer to the product with the shade WU1458GB2364.		
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-treatment processes (e.g. phosphating) according to the requirements.		
Structure recommendation	Substrate	KTL primed	
	Top coat	WU1458GB2364 Mixing ratio 6:1/ HU0448 Dry film thickness µm	
Note before use	Prior to use, stir well or mix of skin formation, over-coat wit	components homogeneously (e h water.	.g. with fast mixer). To prevent
Hardener	HU0448 see technical data sheet		
Mixin ratio	Parts by weight 6:1		
	Volume parts 5:1		
Thinning	demineralised water		
Dry film thickness	must not exceed 80 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 %		
Processing time	max. 4 hrs. / 20 °C End of the processing time of decrease at higher temperat	annot be detected from gelling. ures and/or under pressure.	The processing time can
Airmix spraying	30-40 sec. / 4 mm viscosity o Nozzle 0,23 mm angle 30° Material pressure 80 bar Atomiser pressure 3 bar	cup	DIN 53211
High pressure spraying	30-40 sec. / 4 mm Flow cup Nozzle 1,5 mm Injection pressure 3 bar		DIN 53211
Rolling/painting	as delivered viscosity		
Material usage	without application loss 110- layer thickness 40 µm after a	-	theoretical
Oven drying	up to 80 °C possible		
Air drying	18-22 °C, 40-60 % relative h	umidity	

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Dust drying	after 30 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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