



WU1490L_HU0208 EFDEDUR-Hydro-Coating

Product description

Product technology	water-thinnable 2C coating
Application area	e.g. in the mechanical engineering and plant construction sector
Surface	Different structures are possible depending on application and viscosity.
Substrate	Non-ferrous metals, Steel, Primer

General product properties

Binder-Base	Acrylic Resin		
Colour	All common colour shades		
Gloss value	satin glossy	25-70 GU, Angle 60° The degree of gloss is strongly dependent on the structure. The given value refers to a smooth, weakly structured surface.	DIN EN ISO 2813
Viscosity	1400-1800 mPa*s, spindle 4, 60 revolutions/min.		DIN EN ISO 2555
pH-Value	8-9		DIN 19260
Solid mass	52-56 % after addition of hardener		theoretical
Solid content in volume	44-49 % after addition of hardener		theoretical
Reference product	The values given refer to the product with the shade WU1490LS2707.		
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.		
	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 iron-phosphated steel plate
	Top coat	WU1490LS2707 Mixing ratio 5:1/ HU0208 Dry film thickness 60 µm
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). To prevent skin formation, over-coat with water.	
Hardener	HU0208 see technical data sheet	
Mixin ratio	Parts by weight 5:1 Volume parts 3,8:1	
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. 2 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.	
High pressure spraying	18-25 sec. / 6 mm Flow cup Nozzle 1,4 mm Injection pressure 3 bar	DIN 53211
Rolling/painting	as delivered viscosity	
Electrostatic	possible, system-specific	
Material usage	without application loss 180-280 g/m ² layer thickness 60 µm	theoretical
Oven drying	up to 80 °C possible	
Air drying	18-22 °C, 40-60 % relative humidity	
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.	

Further processing of coated pieces

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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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 and 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.