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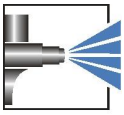

EFDEDUR-Hydro-Lackfarbe
WU1425GHU150

Characteristics	■ Water-thinnable 2C coating ■ Application, e.g. in the vehicle construction sector ■ Fast complete drying ■ Good light and weather resistance	
Technical / Physical Data	■ Binder-Base	Acrylate resin crosslinked with polyisocyanate
	■ Colour	All common colour shades
	■ Gloss value DIN EN ISO 2813	glossy 70-80 Angle 20°
	■ Viscosity DIN 53211 (formerly)	Flow time 30-40 seconds 4 mm viscosity cup
	■ Hardener	HU0150 See technical data sheet
	■ Mixing ratio	Parts by weight 6:1
	■ Mixing ratio	Parts by volume 5:4
	■ Thinner	demineralised water
	■ pH-Value	8,2-8,6
	■ Density calculated	1,17-1,37 g/ml
	■ Density calculated	1,12-1,32 g/ml after adding hardener
	■ Solid Mass calculated	49-53 %
	■ Solid Mass calculated	54-56 % after adding hardener
	■ Solid content in volume calculated	282-302 ml/kg
	■ Solid content in volume calculated	351-371 ml/kg after adding hardener
	■ Material usage theoretical, without application loss	210-230 g/m², Layer thickness 80 µm after adding hardener
	■ Reference colour of the specified values	Colour of WU1425GRA911
Substrate	■ Steel, passivated or pretreated substrates ■ Aluminium	
Pretreatment	■ The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue. Preliminary tests are recommended for assuring the suitability of coating qualities on the substrate. For more stringent requirements, we recommend: for corrosion protection - e.g. phosphating for adhesion - e.g. blasting, pickling, sanding	

DIN EN ISO 9001
IATF 16949
EMAS

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Structure recommendation	Substrate	on blasted steel plate
	Top coat	WU1425GRA911 Mixing ratio 6:1/ HU0150 Dry film thickness 80 µm
Mechanical Test	Cross-cut-test DIN EN ISO 2409	Gt 0
Resistance Test		
	Condensate constant climate DIN EN ISO 6270-2 (CH)	120 hours Degree of blistering 0 (S 0) DIN EN ISO 4628-2
	Salt spray test (NSS) DIN EN ISO 9227	240 hours Water ingress Wb < 5 mm DIN EN ISO 4628-8
	Temperature resistance	Short time loading 120°C Continuous loading 70°C
	Chemical resistance	Needs to be checked. The temperature and concentration of chemicals have a major influence on the test outcome.
Processing and application	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). To prevent skin formation, over-coat with water. Dry film thickness must not exceed 80 µm - risk of reaction bubbles.	
	Object temperature	10-30 °C
	Processing conditions	Room temperature 18-22 °C Relative humidity 40-60 %
	Processing time	max. 4 hrs./ 20 °C End of the processing time cannot be detected from gelling. The processing time can decrease at higher temperatures and/or under pressure.
	Airmix spraying	30-60 Sec./ 4 mm Viscosity cup (DIN 53211) Nozzle 0,23 mm Angle 30° Material pressure 80 bar Atomiser pressure 4
	High pressure spraying	30-40 Sec./ 4 mm Viscosity cup (DIN 53211) Nozzle 1,5 mm Spray pressure 4 bar
	Rolling / painting	as delivered viscosity
	Over-coating capability	possible with same quality, dry at the earliest after matting
	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.
	Health & Safety at Work guidelines The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous substances, safety	

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	data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.	
Curing	Air drying	at 20°C, 50% relative humidity with air movement
	Dust drying	after 30 min. (degree of drying 1/ DIN EN ISO 9117-5)
	Dry to the touch	after 4 hrs. (degree of drying 4/ DIN EN ISO 9117-5)
	Full drying	after 8 days (pendulum damping/DIN EN ISO 1522)
	Oven drying	possible to 70°C
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.	
Specific comments	**EFD-info** Refer to the EFD information for further technical information. Nr. 111 + 510	
	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.	

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