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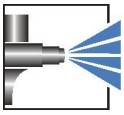

EFDEDUR-Hydro-Beschichtung
WU1997M/HU0208

Characteristics	Water-thinnable 2C coating	
	Application, e.g. in the vehicle construction sector	
	Fast initial drying	
	Forced drying possible	
	Very good light and weather resistance	
	Good condensation resistance	
	Good stone chip resistance	
	Good hardness and elasticity	
Technical / Physical Data	Binder-Base	Acrylate resin crosslinked with polyisocyanate
	Colour	All common colour shades
	Gloss value visual	mat
	Viscosity DIN 53211 (formerly)	Flow time 30-40 seconds 4 mm viscosity cup
	Hardener	HU0208 See technical data sheet
	Mixing ratio	Parts by weight 5,7:1
	Mixing ratio	Parts by volume 5:1
	Thinner	demineralised water
	pH-Value	6,5-7,5
	Density calculated	1,15-1,2 g/ml
	Density calculated	1,1-1,3 g/ml after adding hardener
	Solid Mass calculated	44-47 %
	Solid Mass calculated	48-52 % after adding hardener
	Solid content in volume calculated	280-300 ml/kg
	Solid content in volume calculated	340-380 ml/kg after adding hardener
	Material usage theoretical, without application loss	170-180 g/m², Layer thickness 40 µm
	Reference colour of the specified values	Colour of WU1997MRU905
Substrate	Primer	
Pretreatment	The substrate must be free of adhesion-impairing substances such as oil, grease, wax and separating agent residue. Preliminary tests are recommended for assuring the suitability of coating qualities on the substrate.	

DIN EN ISO 9001
IATF 16949
EMAS

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Structure recommendation	Substrate	on blasted steel plate
	Primer	WE1935LRU113 Mixing ratio 8:1/ HE0041 Dry film thickness 60 µm
	Top coat	WU1997MRU905 Mixing ratio 5,7:1/ HU0208 Dry film thickness 50 µm
Mechanical Test	Cross-cut-test DIN EN ISO 2409	Gt 0
	Salt spray test (NSS) DIN EN ISO 9227	1000 hours Water ingress Wb < 2 mm DIN EN ISO 4628-8
	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 100 µm - risk of reaction bubbles.	
	Object temperature	10-30 °C
	Processing conditions	Room temperature 18-25 °C Relative humidity 40-60 %
	Processing time	max. 3 hrs./ 20 °C The processing time can decrease at higher temperatures and/or under pressure.
	Airless spraying	45-60 Sec./ 4 mm Viscosity cup (DIN 53211) Nozzle: 0,28 mm Angle 40° Material pressure 160 bar
	Airmix spraying	45-60 Sec./ 4 mm Viscosity cup (DIN 53211) Nozzle 0,28 mm Angle 40° Material pressure 120 bar Atomiser pressure 3
	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.
	Health & Safety at Work guidelines The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous substances, safety 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, 40% relative humidity with air movement
	Dust drying	after 20 min. (degree of drying 1/ DIN EN ISO 9117-5)
	Dry to the touch	after 6 hrs. (degree of drying 4/ DIN EN ISO 9117-5)
	Full drying	after 8 days (pendulum damping/DIN EN ISO 1522)
Resistance to storage		

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	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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