



EFDEDUR-Hydro-Beschichtung

WU1997M/HU0208

Characteristics	<ul style="list-style-type: none"> ■ 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	<table> <tr> <td>■ Binder-Base</td><td>Acrylate resin crosslinked with polyisocyanate</td></tr> <tr> <td>■ Colour</td><td>All common colour shades</td></tr> <tr> <td>■ Gloss value visual</td><td>mat</td></tr> <tr> <td>■ Viscosity DIN 53211 (formerly)</td><td>Flow time 30-40 seconds 4 mm viscosity cup</td></tr> <tr> <td>■ Hardener</td><td>HU0208 See technical data sheet</td></tr> <tr> <td>■ Mixing ratio</td><td>Parts by weight 5,7:1</td></tr> <tr> <td>■ Mixing ratio</td><td>Parts by volume 5:1</td></tr> <tr> <td>■ Thinner</td><td>demineralised water</td></tr> <tr> <td>■ pH-Value</td><td>6,5-7,5</td></tr> <tr> <td>■ Density calculated</td><td>1,15-1,2 g/ml</td></tr> <tr> <td>■ Density calculated</td><td>1,1-1,3 g/ml after adding hardener</td></tr> <tr> <td>■ Solid Mass calculated</td><td>44-47 %</td></tr> <tr> <td>■ Solid Mass calculated</td><td>48-52 % after adding hardener</td></tr> <tr> <td>■ Solid content in volume calculated</td><td>280-300 ml/kg</td></tr> <tr> <td>■ Solid content in volume calculated</td><td>340-380 ml/kg after adding hardener</td></tr> <tr> <td>■ Material usage theoretical, without application loss</td><td>170-180 g/m², Layer thickness 40 µm</td></tr> <tr> <td>■ Reference colour of the specified values</td><td>Colour of WU1997MRU905</td></tr> </table>	■ 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/m ² , Layer thickness 40 µm	■ Reference colour of the specified values	Colour of WU1997MRU905
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Substrate	<ul style="list-style-type: none"> ■ Primer 																																		
Pretreatment	<ul style="list-style-type: none"> ■ 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. 																																		

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 and delivery.

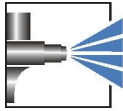


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Structure recommendation	■ Substrate	on blasted steel plate
	■ Primer	WE1935LRU113 Mixing ratio 8:1/ HE0041 Dry film thickness 60 µm
	■ Top coat	WU1997MRU905 Mixing ratio 5,7:1/ HU0208 Dry film thickness 50 µm
Mechanical Test	■ Cross-cut-test DIN EN 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.
Curing	■ 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.	
	■ 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.