



EFDEDUR-Hydro-Clearcoat

WU1971M/HU0150

Characteristics	<ul style="list-style-type: none"> ■ Water-thinnable 2C coating ■ Application, e.g. in the vehicle construction sector ■ Very good light and weather resistance 																																		
Technical / Physical Data	<table> <tr> <td>■ Binder-Base</td><td>Acrylate resin crosslinked with polyisocyanate</td></tr> <tr> <td>■ Colour</td><td>colourless</td></tr> <tr> <td>■ Gloss value DIN EN ISO 2813</td><td>tuff mat <10 Angle 60°</td></tr> <tr> <td>■ Viscosity DIN 53211 (formerly)</td><td>Flow time 30-34 seconds 4 mm viscosity cup</td></tr> <tr> <td>■ Hardener</td><td>HU0150 See technical data sheet</td></tr> <tr> <td>■ Mixing ratio</td><td>Parts by weight 10:1</td></tr> <tr> <td>■ Mixing ratio</td><td>Parts by volume 4,7:1</td></tr> <tr> <td>■ Thinner</td><td>demineralised water</td></tr> <tr> <td>■ pH-Value</td><td>7,5-8,0</td></tr> <tr> <td>■ Density calculated</td><td>1,030-1,034 g/ml</td></tr> <tr> <td>■ Density calculated</td><td>1,15-1,17 g/ml after adding hardener</td></tr> <tr> <td>■ Solid Mass calculated</td><td>19-23 %</td></tr> <tr> <td>■ Solid Mass calculated</td><td>22-26 % after adding hardener</td></tr> <tr> <td>■ Solid content in volume calculated</td><td>140-180 ml/kg</td></tr> <tr> <td>■ Solid content in volume calculated</td><td>610-650 ml/kg after adding hardener</td></tr> <tr> <td>■ Material usage theoretical, without application loss</td><td>655-665 g/m², Layer thickness 40 µm after adding hardener</td></tr> <tr> <td>■ Reference colour of the specified values</td><td>Colour of WU1971MRA999</td></tr> </table>	■ Binder-Base	Acrylate resin crosslinked with polyisocyanate	■ Colour	colourless	■ Gloss value DIN EN ISO 2813	tuff mat <10 Angle 60°	■ Viscosity DIN 53211 (formerly)	Flow time 30-34 seconds 4 mm viscosity cup	■ Hardener	HU0150 See technical data sheet	■ Mixing ratio	Parts by weight 10:1	■ Mixing ratio	Parts by volume 4,7:1	■ Thinner	demineralised water	■ pH-Value	7,5-8,0	■ Density calculated	1,030-1,034 g/ml	■ Density calculated	1,15-1,17 g/ml after adding hardener	■ Solid Mass calculated	19-23 %	■ Solid Mass calculated	22-26 % after adding hardener	■ Solid content in volume calculated	140-180 ml/kg	■ Solid content in volume calculated	610-650 ml/kg after adding hardener	■ Material usage theoretical, without application loss	655-665 g/m², Layer thickness 40 µm after adding hardener	■ Reference colour of the specified values	Colour of WU1971MRA999
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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. ■ Primer WU1451HRA735 Mixing ratio 7:1/HU0050 Dry film thickness 60 µm ■ Clear coat WU1971MRA999 Mixing ratio WU1971MRA999 10:1 HU0150 Dry film thickness 40 µm 																																		

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.

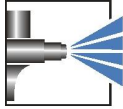


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Mechanical Test	<ul style="list-style-type: none"> ■ Cross-cut-test DIN EN ISO 2409 	Gt 0
Processing and application	<ul style="list-style-type: none"> ■ Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). To prevent skin 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. 0,5 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. ■ High pressure spraying 25-35 Sec./ 4 mm Viscosity cup (DIN 53211) Nozzle 1,3 mm Spray pressure 3 bar ■ 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	<ul style="list-style-type: none"> ■ Air drying at 20°C, 50% relative humidity with air movement ■ Dust drying after 90 min. (degree of drying 1/ DIN EN ISO 9117-5) ■ Dry to the touch after 18 hrs. (degree of drying 4/ DIN EN ISO 9117-5) ■ Full drying after 14 days (pendulum damping/DIN EN ISO 1522) ■ Oven drying possible to 150°C 	
Resistance to storage	<ul style="list-style-type: none"> ■ 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. <p>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.</p>	
Specific comments	<ul style="list-style-type: none"> ■ EFD-info Refer to the EFD information for further technical information. Nr. 109 + 111 ■ 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 	

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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.