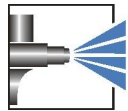


EFDEDUR-Hydro-Metalleffektlack

WU1457M/HU0060

Characteristics	<ul style="list-style-type: none"> ■ Water-thinnable 2C coating ■ Application, e.g. in the functional furniture and storage technology sector ■ Metallic effect ■ Very good light and weather resistance ■ Suitable for plastics 																																		
Technical / Physical Data	<table border="1"> <tr> <td>■ Binder-Base</td> <td>Acrylate resin crosslinked with polyisocyanate</td> </tr> <tr> <td>■ Colour</td> <td>Metallic colour shades</td> </tr> <tr> <td>■ Gloss value DIN EN ISO 2813</td> <td>tuff mat 5-14 Angle 85°</td> </tr> <tr> <td>■ Viscosity DIN 53211 (formerly)</td> <td>Flow time 60-70 seconds 4 mm viscosity cup</td> </tr> <tr> <td>■ Hardener</td> <td>HU0060 See technical data sheet</td> </tr> <tr> <td>■ Mixing ratio</td> <td>Parts by weight 6:1</td> </tr> <tr> <td>■ Mixing ratio</td> <td>Parts by volume 6,1:1</td> </tr> <tr> <td>■ Thinner</td> <td>demineralised water</td> </tr> <tr> <td>■ pH-Value</td> <td>7-9</td> </tr> <tr> <td>■ Density calculated</td> <td>1,07-1,09 g/ml</td> </tr> <tr> <td>■ Density calculated</td> <td>1,00-1,20 g/ml after adding hardener</td> </tr> <tr> <td>■ Solid Mass calculated</td> <td>35-39 %</td> </tr> <tr> <td>■ Solid Mass calculated</td> <td>41-45 % after adding hardener</td> </tr> <tr> <td>■ Solid content in volume calculated</td> <td>260-300 ml/kg</td> </tr> <tr> <td>■ Solid content in volume calculated</td> <td>320-360 ml/kg after adding hardener</td> </tr> <tr> <td>■ Material usage theoretical, without application loss</td> <td>160-170 g/m², Layer thickness 50 µm after adding hardener</td> </tr> <tr> <td>■ Reference colour of the specified values</td> <td>Colour of WU1457MH2865</td> </tr> </table>	■ Binder-Base	Acrylate resin crosslinked with polyisocyanate	■ Colour	Metallic colour shades	■ Gloss value DIN EN ISO 2813	tuff mat 5-14 Angle 85°	■ Viscosity DIN 53211 (formerly)	Flow time 60-70 seconds 4 mm viscosity cup	■ Hardener	HU0060 See technical data sheet	■ Mixing ratio	Parts by weight 6:1	■ Mixing ratio	Parts by volume 6,1:1	■ Thinner	demineralised water	■ pH-Value	7-9	■ Density calculated	1,07-1,09 g/ml	■ Density calculated	1,00-1,20 g/ml after adding hardener	■ Solid Mass calculated	35-39 %	■ Solid Mass calculated	41-45 % after adding hardener	■ Solid content in volume calculated	260-300 ml/kg	■ Solid content in volume calculated	320-360 ml/kg after adding hardener	■ Material usage theoretical, without application loss	160-170 g/m ² , Layer thickness 50 µm after adding hardener	■ Reference colour of the specified values	Colour of WU1457MH2865
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Substrate	<ul style="list-style-type: none"> ■ Primer ■ ABS (acrylonitrile butadiene styrene) ■ PVC (polyvinyl chloride) 																																		
Pretreatment	<ul style="list-style-type: none"> ■ 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: 																																		

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.

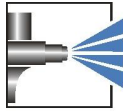


EFDEDUR-Hydro-Metalleffektlack

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	for corrosion protection - e.g. phosphating for adhesion - e.g. blasting, pickling, sanding
Structure recommendation	■ Substrate on thermoplastic material: ABS
	■ Top coat WU1457MK2865 Mixing ratio 6:1/ HU0060 Dry film thickness 50 µm
Mechanical Test	■ Cross-cut-test DIN EN ISO 2409 Gt 0
	■ Temperature resistance Short time 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.
	■ High pressure spraying 40-70 Sec./ 4 mm Viscosity cup (DIN 53211) Nozzle 1,4 mm Spray pressure 40 bar
	■ Electrostatic possible, system-specific
	■ 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.
	■ 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, 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)	

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	<ul style="list-style-type: none"> Oven drying possible to 70°C
Resistance to storage	<ul style="list-style-type: none"> Approx. 6 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. 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. <p>The information provided here contains reference values and does not constitute a specification.</p>