WU1971M_HU0150_CLEARCOAT

EFDEDUR-Hydro-Clearcoat

Product description

Product technology	water-thinnable 2C coating
Application area	e.g. in the vehicle construction sector
Application	for exterior use
Substrate	Primer

General product properties

Binder-Base	Acrylic Resin		
Colour	colourless		
Gloss value	tuff mat	<10 GU, Angle 60°	DIN EN ISO 2813
Viscosity	Flow time 30-34 sec. 4 mm flow cup		DIN 53211
pH-Value	7,5-8,0		DIN 19260
Solid mass	25-28 % after addition of hardener		theoretical
Solid content in volume	21-24 % after addition of hardener		theoretical
Reference product	The values given refer to the product with the shade WU1971MRA999.		
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.		

Application and processing

Pretreatment	The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, mill scale, wax and release agent residues. We recommend the use of suitable mechanical pre-treatment processes (e.g. blasting, grinding) or chemical pre-treatment processes (e.g. phosphating) according to the requirements.	
Structure recommendation	Top coat	WU1451HRA735 Mixing ratio 7:1/HU0050 Dry film thickness 60 µm
Structure recommendation	Clearcoat	WU1971MRA999 Mixing ratio 10:1 HU0150 Dry film thickness 40 µm

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Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer). To prevent skin formation, over-coat with water.	
Hardener	HU0150 see technical data sheet	
Mixin ratio	Parts by weight 10:1 Volume parts 4,7:1	
Thinning	demineralised water	
Dry film thickness	must not exceed 70 µm – risk of reaction bubbles.	
Object temperature	10-30 °C, minimum +3 °C above dew point temperature	
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 Flow cup Nozzle 1,3 mm Injection pressure 3 bar	DIN 53211
Material usage	without application loss 655-665 g/m² layer thickness 40 µm after addition of hardener	theoretical
Air drying	18-22 °C, 40-60 % relative humidity	
Oven drying	up to 150 °C possible	
Dust drying	after 90 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 18 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 14 day/s (pendulum damping)	DIN EN ISO 1522
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.	

Comments

EFD info	Further technical information can be found in the EFD Info. No. 109 + 111.
Work-and Healthprotection	The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health and Safety at Work and environmental protection can be found in the corresponding safety data sheet.

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Test conditions	All information is based on a standard climate 23/50 DIN EN 23270. All information is based on our product knowledge an 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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