WU1425D_HU0150

EFDEDUR-Hydro-Coating

Product description

Product technology	water-thinnable 2C coating
Application area	e.g. in the vehicle construction sector
Full drying	quickly
Resistance to light and weather	good
Substrate	Steel, Aluminium

General product properties

Binder-Base	Acrylic Resin		
Colour	All common colour shades		
Gloss value	satin mat	35-40 GU, angle 60°	DIN EN ISO 2813
Viscosity	Flow time 35-40 sec. 4 mm flow cup		DIN 53211
pH-Value	8,2-8,6		DIN 19260
Solid mass	58-61 % after addition of hardener		theoretical
Solid content in volume	46-48 % after addition of hardener		theoretical
Reference product	The values given refer to the product with the shade WU1425DL1947.		
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.		

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6
78199 Bräunlingen-Döggingen | Deutschland
+49 77071510
www.freilacke.de | info@freilacke.de

WU1425D_HU0150

EFDEDUR-Hydro-Coating

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	Substrate	On blasted steel plate
	Top coat	WU1425DL1947 Mixing ratio 6:1/ HU0150 Dry film thickness 80 µm
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 6:1 Volume parts 5:4	
Thinning	demineralised water	
Dry film thickness	must not exceed 80 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. 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.	
Airmix spraying	30-60 sec. / 4 mm viscosity cup Nozzle 0,23 mm angle 30° Material pressure 80 bar Atomiser pressure 4 bar	DIN 53211
High pressure spraying	30-40 sec. / 4 mm Flow cup Nozzle 1,5 mm Injection pressure 4 bar	DIN 53211
Rolling/painting	as delivered viscosity	
Material usage	without application loss 210-230 g/m² layer thickness 80 µm after addition of hardener	theoretical
Oven drying	up to 70 °C possible	
Air drying	18-22 °C, 40-60 % relative humidity	

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6
78199 Bräunlingen-Döggingen | Deutschland
+49 77071510
www.freilacke.de | info@freilacke.de

WU1425D_HU0150

EFDEDUR-Hydro-Coating

Dust drying	after 30 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 4 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 8 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. Do not mix curing agent with water! The cleaning must be carried out with organic solvents.	

Further processing of coated pieces

Repainting	possible with same quality, dry at the earliest after matting.

Comments

EFD info	Further technical information can be found in the EFD Info. No. 111 + 510.
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.
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.

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6
78199 Bräunlingen-Döggingen | Deutschland
+49 77071510
www.freilacke.de | info@freilacke.de