



UR1449H_HU0140

EFDEDUR-HighSolid-Top coat

Product description

Product technology	solvent-based 2-component coating		
Application area	e.g. in the vehicle construction sector		
Application	For interior and exterior applications		
Running properties	very good		
Substrate	Steel, Grey cast iron, Galvanised steel, Steel, blasted		

General product properties

Binder-Base	Acrylic Resin		
Colour	in accordance with RAL 841 GL other colours on request		
Gloss value	satin glossy	55-65 GU, Angle 60°	DIN EN ISO 2813
Viscosity	Flow time 40-50 sec., 4 mm flow cup		DIN 53211
Density	1,30-1,45 g/ml after addition of hardener		theoretical
Solid mass	66,5-71,5 % after addition of hardener		theoretical
Solid content in volume	52-55 % after addition of hardener		theoretical
Reference product	The specified values refer to the product UR1449HRA715.		
Resistance to storage	<p>approx. 12 month in original packagings at an ambient temperature of 5 to 25 °C. Open packages are to be used within a short time.</p> <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>		

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	
	Primer	ER1926M Mixing ratio 5:1 HE0051 Dry film thickness 70-90 µm	
	Top coat	UR1449H Mixing ratio 7:1 HU0140 Dry film thickness 50-70 µm	
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		

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, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS

Page 1/2 | Version 0

Revision date: Aug 2, 2024

Print date: Aug 2, 2024

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6
78199 Bräunlingen-Döggingen | Deutschland
+49 77071510

www.freilacke.de | info@freilacke.de



UR1449H_HU0140 EFDEDUR-HighSolid-Top coat

Hardener	HU0140	
Mixin ratio	Parts by weight 7:1 Volume parts 4,7:1	
Thinning	EFD dilution 400500	
Processing conditions	from 18 °C to 25 °C	
Processing time	max. 2 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.	
Airmix spraying	as delivered viscosity Nozzle 0,33 mm angle 40° Material pressure 130-160 bar Atomiser pressure 3-4 bar	
High pressure spraying	as delivered viscosity after adding curing agent nozzle 1,3-1,5 mm spray pressure 4 bar	
Electrostatic	possible, system-specific	
Material usage	without application loss 140-160 g/m ² layer thickness 60 µm after addition of hardener	theoretical
Oven drying	up to 80 °C possible (object temperature)	
Air drying	20 °C, 50 % relative humidity	
Dust drying	after 40 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 6 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 10 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400500	

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. 170.
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.