ER1951H_HE0051
FREOPOX-Primer

Product description

Product technology	solvent-based 2-component coating
Application area	e.g. in the vehicle construction sector
Application	suitable as a single-layer coating indoors
Corrosion protection	very good
Substrate	Steel, Stainless steel, Aluminium, Galvanised steel

General product properties

Binder-Base	Epoxy resin	
Colour	in accordance with RAL 840 HR other colours on request	
Gloss visually	Satin gloss	
Viscosity	Flow time 50-60 sec., 4 mm flow cup	DIN 53211
Density	1,30-1,40 g/ml after addition of hardener	theoretical
Solid mass	57-59 % after addition of hardener	theoretical
Solid content in volume	36-40 % after addition of hardener	theoretical
Reference product	The specified values refer to the product ER1951HL1781.	
Resistance to storage	approx. 24 month in original packagings at an ambient temperature of 5 to 25 °C. 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	Substrate	On blasted steel plate
	Primer	ER1951H Mixing ratio 5:1 HE0051 Dry film thickness 50-70 µm
	Top coat	UR1984H Mixing ratio 8:1 HU0936 Dry film thickness 40-60 µm

FreiLacke | Emil Frei GmbH & Co. KG

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

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Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Hardener	HE0051	
Mixin ratio	Parts by weight 5:1	
Thinning	EFD dilution 400064	
Processing conditions	from 10 °C to 25 °C	
Processing time	max. 3 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.	
Airless spraying	as delivered viscosity after curing agent addition Nozzle 0,23 mm Angle 20°	
High pressure spraying	as delivered viscosity after adding curing agent nozzle 1,5-2,0 mm spray pressure 2-4 bar	
Material usage	without application loss 178 g/m² layer thickness 50 µm after addition of hardener	theoretical
Air drying	20 °C, 50 % relative humidity	
Dust drying	after 25 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 2,5 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 7 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	with EFD dilution 400064 within the processing time.	

Further processing of coated pieces

Repainting	possible with UR1984 after drying at room temperature of 25-45 min.

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.

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