



UR1025Z_HU0010 EFDEDUR-HighSolid-Coating

Product description

Product technology	solvent-based 2-component coating
Application area	e.g. in the mechanical engineering and plant construction sector
Application	For interior and exterior applications
Blocking resistance	good
Substrate	Steel, Galvanised steel

General product properties

Binder-Base	Acrylic Resin	
Colour	in accordance with RAL 840 HR other colours on request	
Gloss value	according to customer requirements	
Viscosity	Flow time 45-55 sec., 4 mm flow cup	DIN 53211
Density	1,5-1,6 g/ml after addition of hardener	theoretical
Solid mass	74-75 % after addition of hardener	theoretical
Solid content in volume	56,5-58,0 % after addition of hardener	theoretical
Reference product	The specified values refer to the product UR1025ZS3103.	
Resistance to storage	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.	
	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 zinc-phosphated steel plate
	Top coat	UR1025Z Mixing ratio 10:0,8 HU0010 Dry film thickness 40 µm
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Hardener	HU0010	
Mixin ratio	Parts by weight 10:0,8	

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 1

Revision date: Aug 9, 2024

Print date: Jul 17, 2026

FreiLacke | Emil Frei GmbH & Co. KG

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



UR1025Z_HU0010 EFDEDUR-HighSolid-Coating

Thinning	Volume parts 9:1 EFD dilution 400320 EFD dilution 400500
Processing conditions	from 10 °C to 25 °C
Processing time	max. 2 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 0,33 mm Angle 40° Material pressure 120 bar
High pressure spraying	Set to 18-22 sec / 4 mm flow-cup after adding hardener DIN 53211 Nozzle 1,6 mm Spray pressure 2-4 bar
Rolling/painting	as delivered viscosity after curing agent addition Add 0,5 to 1,0% by wight EFD-Relaxation agent 300807 for roller and brush application in case of bubble formation.
Material usage	without application loss 100-120 g/m ² theoretical layer thickness 40 µm after addition of hardener
Oven drying	up to 80 °C possible (object temperature)
Air drying	20 °C, 50 % relative humidity
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 14 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.