



UR1422Z_HU0145

EFDEDUR-UHS-Singlelayer

Product description

Product technology	Ultra-high-solid coating
Application area	e.g. in the vehicle construction sector
Resistance to light and weather	very good
Corrosion protection	very good
Substrate	Steel, Steel, blasted, zinc-phosphated steel, iron-phosphated steel

General product properties

Binder-Base	Acrylic Resin		
Colour	in accordance with RAL 840 HR other colours on request		
Gloss value	satin glossy	65-75 GU, Angle 60°	DIN EN ISO 2813
Viscosity	700-1300 mPa*s, spindle 4, 60 revolutions/min.		
Density	1,5-1,7 g/ml after addition of hardener		
Solid mass	78-82 % after addition of hardener		
Solid content in volume	60-63 % after addition of hardener		
Reference product	The specified values refer to the product UR1422ZS2615.		
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	Steel blasted to Sa 2.5	
	Top coat	UR1422Z Mixing ratio 7:1 HU0145 Dry film thickness 80 µm	



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Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Hardener	HU0145	
Mixin ratio	Parts by weight 7:1	
	Parts by volume available on request as dependent on color shade	
Thinning	EFD dilution 400500 EFD dilution 400474	
Processing conditions	from 10 °C to 25 °C	
Processing time	max. 1,5 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.	
Airless spraying	as delivered viscosity after curing agent addition	
Airmix spraying	as delivered viscosity after curing agent addition	
High pressure spraying	as delivered viscosity after adding curing agent	
Material usage	without application loss 200-215 g/m ² layer thickness 80 µm after addition of hardener	theoretical
Oven drying	up to 80 °C possible	
Dust drying	after 45 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 5 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 after grinding. Clean the grinded surface removing adhesion-impairing materials afterwards.
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Comments

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 and experience. We have no direct influence on the application itself. Please do not hesitate to contact us for further information.