



UR1040Z_HU0001 EFDEDUR-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	
Resistance to light and weather	good	
Substrate	PC (polycarbonate), PMMA (polymethyl methacrylate), PVC (polyvinyl chloride), PA 6 (polyamide 6), GRP (glassfibre reinforced plastic), ABS (acrylonitrile butadiene styrene), Non-ferrous metals, Steel	

General product properties

Binder-Base	Acrylic Resin	
Colour	Solid colours	
Gloss value	according to customer requirements	
Viscosity	Flow time 90-120 sec., 4 mm flow cup	DIN 53211
Density	1,15-1,35 g/ml after addition of hardener	theoretical
Solid mass	57-66 % after addition of hardener	theoretical
Solid content in volume	43-48 % after addition of hardener	theoretical
Reference product	The specified values refer to the product UR1040ZK2702.	
Resistance to storage	<p>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.</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	Steel
	Primer	ER1912M Mixing ratio 5:1 HE0052 Dry film thickness 70-90 µm



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Note before use	Top coat	UR1040M Mixing ratio 10:1 HU0001 Dry film thickness 40-60 µm
Hardener	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Mixin ratio	HU0001	
Thinning	Parts by weight 10:1	
Processing conditions	EFD dilution 400320 EFD dilution 400500	
Processing time	from 10 °C to 25 °C	
High pressure spraying	max. 6 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.	
Rolling/painting	Set to 18-22 sec / 4 mm flow-cup after adding hardener Nozzle 1,4 mm Spray pressure 3-4 bar	DIN 53211
Material usage	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.
Oven drying	without application loss 130-150 g/m ² layer thickness 50 µm after addition of hardener	theoretical
Air drying	up to 100 °C possible (object temperature)	
Dust drying	20 °C, 50 % relative humidity	
Dry to the touch	after 30 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Full drying	after 7 hours (degree of dryness 4)	DIN EN ISO 9117-5
Cleaning of equipment	after 14 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400500	

Comments

Alternative hardener	for better chemical resistance	HU0032
EFD info	for faster curing; for indoor use	HU0032
Work-and Healthprotection	for higher hardness	HU0032
Further technical information can be found in the EFD Info. No. 170.		
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.		



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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.

The information provided here contains reference values and does not constitute a specification.