UR1942M_HU0010
EFDEDUR-Iron mica paint

Product description

Product technology	solvent-based 2-component coating
Application area	e.g. in the construction and sanitary sector
Resistance to light and weather	good
Substrate	Aluminium, Galvanised steel

General product properties

Binder-Base	Acrylic Resin	
Colour	All common colour shades	
Gloss visually	matt	
Viscosity	1100-1300 mPa*s, spindle 3, 60 revolutions/min.	DIN EN ISO 2555
Density	1,41-1,61 g/ml after addition of hardener	theoretical
Solid mass	68-72 % after addition of hardener	theoretical
Solid content in volume	300-340 ml/kg after addition of hardener	theoretical
Reference product	The specified values refer to the product UR1942MDB702.	
Resistance to storage	approx. 9 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 hot-dip galvanised steel plate
	Primer	ER1912M Mixing ratio 5:1 HE0052 Dry film thickness 70-80 µm
	Top coat	UR1942M Mixing ratio 10:1 HU0010 Dry film thickness 40-60 µm

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Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Hardener	HU0010	
Mixin ratio	Parts by weight 10:1	
Thinning	EFD dilution 400320	
Processing conditions	from 10 °C to 25 °C	
Processing time	max. 8 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.	
Airless spraying	Set to 100-120 sec / 4 mm flow-cup after adding hardener Nozzle 0,23 mm Material pressure 100-120 bar	DIN 53211
High pressure spraying	Set to 60-100 sec / 4 mm flow-cup after adding hardener Nozzle 1,7-2,0 mm Spray pressure 3-4 bar	DIN 53211
Rolling/painting	as delivered viscosity after curing agent addition	
Material usage	without application loss 115-135 g/m² layer thickness 40 µm after addition of hardener	theoretical
Oven drying	up to 60 °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 3 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 20 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400500	

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 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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