GS1007M_HU0001
EFDEDUR-Pearl structure coating

Product description

Product technology	solvent-based 2-component coating
Surface	self-forming texture
Application	For interior and exterior applications
Property	Silicone-free
Substrate	Plastic, not defined in more detail, Non-ferrous metals, Steel

General product properties

Binder-Base	Acrylic Resin	
Colour	in accordance with RAL 840 HR other colours on request	
Gloss visually	matt	
Viscosity	200-2000 mPa*s, spindle 4, 60 revolutions/min.	DIN EN ISO 2555
Density	1,0-1,2 g/ml after addition of hardener	theoretical
Solid mass	57-61 % after addition of hardener	theoretical
Solid content in volume	430-450 ml/kg after addition of hardener	theoretical
Reference product	The specified values refer to the product GS1007MH3159.	
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.

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Structure recommendation	Substrate	Steel	
	Primer	ER1912M Mixing ratio 5:1 HE0052 Dry film thickness 70-90 µm	
	Top coat	GS1007H Mixing ratio 5:1 HU0001 Dry film thickness 40-60 µm	
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		
Hardener	HU0001		
Mixin ratio	Parts by weight 5:1		
Thinning	EFD dilution 400320 EFD dilution 400500		
Processing conditions	from 10 °C to 25 °C		
Processing time	max. 6 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.		
High pressure spraying	as delivered viscosity after adding curing agent nozzle 1,2-1,8 mm spray pressure 2-4 bar		
Material usage	without application loss 100-110 g/m² layer thickness 40-60 µm after addition of hardener	theoretical	
Oven drying	up to 100 °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 1,5 hours (degree of dryness 4)	DIN EN ISO 9117-5	
Full drying	after 5 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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