



GS1080H_HU0400

EFDEDUR-HighSolid-Structure Coating

Product description

Product technology	solvent-based 2-component coating
Surface	micro structure
Application	For interior and exterior applications
Property	Silicone-free
Drying	quickly
Full drying	fast complete drying
Substrate	Non-ferrous metals, Steel

General product properties

Binder-Base	Acrylic Resin		
Colour	in accordance with RAL 840 HR other colours on request		
Gloss value	satin mat	20-35 GU, Angle 60° The degree of gloss is strongly dependent on the structure. The given value refers to a smooth, weakly structured surface.	DIN EN ISO 2813
Viscosity	2000-7000 mPa*s, spindle 5, 60 revolutions/min.		DIN EN ISO 2555
Density	1,338 g/ml after addition of hardener		theoretical
Solid mass	71,5 % after addition of hardener		theoretical
Solid content in volume	420-440 ml/kg after addition of hardener		theoretical
Reference product	The specified values refer to the product GS1080HRA504.		
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.		



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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.	
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Hardener	HU0400	
Mixin ratio	Parts by weight 7:1 Parts by volume available on request as dependent on color shade	
Thinning	EFD dilution 400320 EFD dilution 400474	
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	
Airmix spraying	as delivered viscosity after curing agent addition Nozzle 0,28-0,33 mm angle 40° Material pressure 80-120 bar Atomiser pressure 2-3 bar	
High pressure spraying	as delivered viscosity after adding curing agent nozzle 1,5-2,0 mm spray pressure 2-3 bar	
Spraying HVLP	as delivered viscosity after adding curing agent	
Rolling/painting	as delivered viscosity after curing agent addition	
Electrostatic	possible, system-specific	
Material usage	without application loss 160-210 g/m ² layer thickness 70-90 µm after addition of hardener	theoretical
Application	Depending on the desired texture, the application takes place in one or in two operations (self-forming texture). By changing the spray pressure, nozzle diameter, coating viscosity, spray guns and system setting, different surface textures can be achieved.	
Oven drying	up to 100 °C possible (object temperature)	
Air drying	20 °C, 50 % relative humidity	
Dust drying	after 20 minutes (degree of dryness 1)	DIN EN ISO 9117-5
Dry to the touch	after 6 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	



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Further processing of coated pieces

Repainting

possible after grinding. Clean the grinded surface removing adhesion-impairing materials afterwards.

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.