



GS1041Z_HU0010 EFDEDUR-Structure Coating

Product description

Product technology	solvent-based 2-component coating	
Surface	Different structures are possible depending on application and viscosity.	
Application	For interior and exterior applications	
Property	Silicone-free	
Drying	quickly	
Full drying	fast complete drying	
Substrate	Steel	

General product properties

Binder-Base	Acrylic Resin	
Colour	in accordance with RAL 840 HR other colours on request	
Gloss value	according to customer requirements	
Viscosity	3000-8000 mPa*s, spindle 6, 60 revolutions/min.	DIN EN ISO 2555
Density	1,25-1,4 g/ml after addition of hardener	theoretical
Solid mass	67,5-71,0 % after addition of hardener	theoretical
Solid content in volume	53,5-55,0 % after addition of hardener	theoretical
Reference product	The specified values refer to the product GS1041ZR1946.	
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



GS1041Z_HU0010 EFDEDUR-Structure Coating

Note before use	Top coat	GS1041Z Mixing ratio 10:1 HU0010 Dry film thickness 40-60 µm
Hardener	HU0010	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).
Mixin ratio	Parts by weight 10:1 HU0010	
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	Following the addition of the curing agent, set the processing viscosity in accordance with the respective application process. Depending on the desired texture, the application takes place in one (self-forming texture) or in two operations (sprinkle effect):	
	<p>1.) Self-forming texture (one operation) e.g. Sata jet® Nozzle 1,5-2,0 mm Spray pressure 3-5 bar Cross coats 1-2</p> <p>2.) Sprinkle effect (two operations A + B) e.g. Sata jet® Nozzle 1,5-2,0 mm Cross coats 1-2 A) Spray pressure 3-5 bar, smooth pre-spraying following the drying of the coating surface (approx. 30 min. / 20°C) B) Sprinkle the desired texture using reduced spray pressure Spray pressure 0,5-2,0 bar</p> <p>By changing the spray pressure, nozzle diameter, coating viscosity, spray guns and system setting, different surface textures can be achieved. Any wearing of the nozzles and system must be taken into account. Additional application options must be tested.</p>	
Rolling/painting	rolling/painting	e.g. with microfibre roll
Electrostatic	possible, system-specific	
Material usage	without application loss 115-125 g/m ² layer thickness 50 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 5 hours (degree of dryness 4)	DIN EN ISO 9117-5
Full drying	after 8 day/s (pendulum damping)	DIN EN ISO 1522



GS1041Z_HU0010 EFDEDUR-Structure Coating

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 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.