



## GS1041M\_HU0010

### EFDEDUR-Structure Coating

#### Product description

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

#### General product properties

<b>Binder-Base</b>	Acrylic Resin		
<b>Colour</b>	in accordance with RAL 840 HR other colours on request		
<b>Gloss value</b>	mat	20-30 GU, Angle 85° The degree of gloss is strongly dependent on the structure. The given value refers to a smooth, weakly structured surface.	DIN EN ISO 2813
<b>Viscosity</b>	3000-8000 mPa*s, spindle 6, 60 revolutions/min.		
<b>Density</b>	1,25-1,45 g/ml after addition of hardener		
<b>Solid mass</b>	67,0-72,5 % after addition of hardener		
<b>Solid content in volume</b>	54,0-56,0 % after addition of hardener		
<b>Reference product</b>	The specified values refer to the product GS1041MRA735.		
<b>Resistance to storage</b>	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

<b>Pretreatment</b>	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.		
<b>Structure recommendation</b>	Substrate	Steel	

Our technical data sheets are to provide you with advice based on our latest state of knowledge. This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications.

The sale of our products is in accordance with our terms of business, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6  
78199 Bräunlingen-Döggingen | Deutschland  
+49 77071510  
[www.freilacke.de](http://www.freilacke.de) | [info@freilacke.de](mailto:info@freilacke.de)



# GS1041M\_HU0010

## EFDEDUR-Structure Coating

	Primer	ER1912M Mixing ratio 5:1 HE0052 Dry film thickness 70-90 µm
	Top coat	GS1041H Mixing ratio 10:1 HU0010 Dry film thickness 40-60 µm
<b>Note before use</b>	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
<b>Hardener</b>	HU0010	
<b>Mixin ratio</b>	Parts by weight 10:1 HU0010	
<b>Thinning</b>	EFD dilution 400320 EFD dilution 400500	
<b>Processing conditions</b>	from 10 °C to 25 °C	
<b>Processing time</b>	max. 6 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.	
<b>High pressure spraying</b>	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):	
	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	
	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	
	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.	
<b>Rolling/painting</b>	e.g. with microfibre roll	
<b>Electrostatic</b>	possible, system-specific	
<b>Material usage</b>	without application loss 115-130 g/m <sup>2</sup> layer thickness 50 µm after addition of hardener	
<b>Oven drying</b>	up to 100 °C possible (object temperature)	
<b>Air drying</b>	20 °C, 50 % relative humidity	
<b>Dust drying</b>	after 30 minutes (degree of dryness 1)	
	DIN EN ISO 9117-5	

Our technical data sheets are to provide you with advice based on our latest state of knowledge.  
This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications.

The sale of our products is in accordance with our terms of business, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6  
78199 Bräunlingen-Döggingen | Deutschland  
+49 77071510  
[www.freilacke.de](http://www.freilacke.de) | [info@freilacke.de](mailto:info@freilacke.de)



## GS1041M\_HU0010

### EFDEDUR-Structure Coating

<b>Dry to the touch</b>	after 5 hours (degree of dryness 4)	DIN EN ISO 9117-5
<b>Full drying</b>	after 8 day/s (pendulum damping)	DIN EN ISO 1522
<b>Cleaning of equipment</b>	EFD dilution 400500	

#### Comments

<b>EFD info</b>	Further technical information can be found in the EFD Info. No. 142.
<b>Work-and Healthprotection</b>	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.
<b>Test conditions</b>	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.