FS9115H_HU0180

EFDEDUR-System-Structure Coating

Product description

Product technology	solvent-based 2-component coating
Surface	self-forming texture
Application	for interior use
Drying	quickly
Content	Silicone
System coating structure	possible (see information)

General product properties

Binder-Base	Alkyd resin	
Colour	according to FreiLacke reference sample	
Gloss visually	Satin gloss	
Viscosity	3000-5000 mPa*s, spindle 5, 60 revolutions/min.	DIN EN ISO 2555
Density	1,20-1,40 g/cm³	theoretical
Solid mass	70-72 % after addition of hardener	theoretical
Solid content in volume	435-445 ml/kg after addition of hardener	theoretical
Electrical resistance	500-1000 K-Ohm	Ransburg method
Reference product	The specified values refer to the product FS9115HH2802.	
Resistance to storage	approx. 12 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.	

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6
78199 Bräunlingen-Döggingen | Deutschland
+49 77071510
www.freilacke.de | info@freilacke.de

FS9115H_HU0180

EFDEDUR-System-Structure Coating

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
	Top coat	FS9115H Mixing ratio 6:1 HU0180 Dry film thickness 50-70 µm
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
Hardener	HU0180	
Mixin ratio	Parts by weight 6:1 Volume parts 4,6:1	
Thinning	EFD dilution 400320 EFD dilution 400500	
Processing conditions	from 10 °C to 25 °C	
Processing time	max. 4 hrs. / 20 °C The processing time can decrease at higher temperatures and/or under pressure.	
Airless spraying	as delivered viscosity after curing agent addition Nozzle 0,33 mm Angle 50° Material pressure 100-120 bar	
Airmix spraying	as delivered viscosity after curing agent addition Nozzle 0,33 mm angle 50° Material pressure 100-120 bar Atomiser pressure 2-3 bar	
High pressure spraying	as delivered viscosity after adding curing agent	
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 110-120 g/m² layer thickness 50 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	18-22 °C, 40-60 % 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

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6
78199 Bräunlingen-Döggingen | Deutschland
+49 77071510
www.freilacke.de | info@freilacke.de

FS9115H_HU0180
EFDEDUR-System-Structure Coating

Full drying	after 8 day/s (pendulum damping)	DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400500	

Comments

System Coating	Can be integrated into the system coating concept as a horizontal system coating (different coatings with the same look) or vertical system coating (part of a multi-layer structure). For more information, see www.freilacke.de/systemlacke.
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.

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6
78199 Bräunlingen-Döggingen | Deutschland
+49 77071510
www.freilacke.de | info@freilacke.de