



UR9149G_HU0140

EFDEDUR-System-HighSolid-Paint

Product description

Product technology	solvent-based 2-component coating
Application area	e.g. in the vehicle construction sector
Application	For interior and exterior applications
Running properties	very good
System coating structure	possible (see information)
Standard-System	UR1449G
Substrate	Steel, Grey cast iron, Galvanised steel, Steel, blasted

General product properties

Binder-Base	Acrylic Resin		
Colour	in accordance with RAL 841 GL other colours on request		
Gloss value	glossy	70-90 GU, angle 20°	DIN EN ISO 2813
Viscosity	Flow time 26-33 sec., 4 mm flow cup		DIN 53211
Density	1,35-1,45 g/ml after addition of hardener		theoretical
Solid mass	69,5-73,5 % after addition of hardener		theoretical
Solid content in volume	53,5-56,5 % after addition of hardener		theoretical
Reference product	The specified values refer to the product UR9149GW2815.		
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.		

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	On blasted steel plate	
	Primer	ER1926M Mixing ratio 5:1 HE0051 Dry film thickness 70-90 µm	
	Top coat	UR9149G Mixing ratio 7:1 HU0140 Dry film thickness 50-70 µm	
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		
Hardener	HU0140		
Mix in ratio	Parts by weight 7:1		
	Volume parts 4,7:1		
Thinning	EFD dilution 400500		
Processing conditions	from 18 °C to 25 °C		
Processing time	max. 2 hrs. / 20 °C		
	The processing time can decrease at higher temperatures and/or under pressure.		
Airmix spraying	as delivered viscosity		
	Nozzle 0,33 mm angle 40°		
	Material pressure 130-160 bar		
	Atomiser pressure 3-4 bar		
High pressure spraying	as delivered viscosity after adding curing agent		
	nozzle 1,3-1,5 mm		
	spray pressure 4 bar		
Electrostatic	possible, system-specific		
Material usage	without application loss 150-180 g/m²		theoretical
	layer thickness 60 µm after addition of hardener		
Oven drying	up to 80 °C possible (object temperature)		
Air drying	20 °C, 50 % relative humidity		
Dust drying	after 40 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 10 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 with same quality, dry at the earliest after matting.
Comments	
EFD info	Further technical information can be found in the EFD Info. No. 170.
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	<p>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.</p> <p>The information provided here contains reference values and does not constitute a specification.</p>