UR9147N_HU0400

EFDEDUR-System-UHS-Top coat

Product description

Product technology	Ultra-high-solid coating
Application area	e.g. in the vehicle construction sector
Application	set ready for processing
Running properties	good
Substrate	Steel, Steel, blasted

General product properties

Binder-Base	Acrylic Resin		
Colour	in accordance with RAL 841 GL other colours on request		
Gloss value	glossy	>90 GU, angle 60°	DIN EN ISO 2813
Viscosity	1100-1900 mPa*s, spindle 5, 60 revolutions/min.		DIN EN ISO 2555
Density	1,26-1,46 g/ml after addition of hardener		theoretical
Solid mass	73-77 % after addition of hardener		theoretical
Solid content in volume	60-65 % after addition of hardener		theoretical
Reference product	The specified values refer to the product UR9147NH3307.		
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.

FreiLacke | Emil Frei GmbH & Co. KG

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

UR9147N_HU0400
EFDEDUR-System-UHS-Top coat

Structure recommendation	Substrate	On blasted steel plate	
	Primer	UR1933H Mixing ratio 4:1 HU0400 Dry film thickness 70 µm	
	Top coat	UR9147N Mixing ratio 4:1 HU0400 Dry film thickness 70 µm	
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		
Hardener	HU0400		
Mixin ratio	Parts by weight 4:1		
	Parts by volume available on request as dependent on color shade		
Thinning	EFD dilution 400500		
Object temperature	10-30 °C, minimum +3 °C above dew point temperature		
Processing conditions	Room temperature 18-24 °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 after curing agent addition		
High pressure spraying	as delivered viscosity after adding curing agent		
Electrostatic	possible, system-specific		
Material usage	without application loss 145-160 g/m² layer thickness 70 µm after addition of hardener	theoretical	
Oven drying	up to 80 °C possible		
Dust drying	after 80 minutes (degree of dryness 1)	DIN EN ISO 9117-5	
Dry to the touch	after 12 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		

Further processing of coated pieces

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

Comments

EFD info	Further technical information can be found in the EFD Info. No. 170+510.
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.

FreiLacke | Emil Frei GmbH & Co. KG

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

UR9147N_HU0400

EFDEDUR-System-UHS-Top coat

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