



ZK1001G EFDEZELL-Coating

Product description

Product technology	Solvent-based air-drying coating
Drying	quickly
Full drying	fast complete drying
Scratch resistance	very good
Substrate	Steel

General product properties

Binder-Base	Combination of nitrocellulose-/alkyd resin		
Colour	in accordance with RAL 840 HR other colours on request		
Gloss value	glossy	>50 GU, angle 20°	DIN EN ISO 2813
Viscosity	Flow time 160-190 sec., 4 mm flow cup		DIN 53211
Density	0,9-1,3 g/ml		theoretical
Solid mass	46-56 %		theoretical
Solid content in volume	33-43 %		theoretical
Reference product	The specified values refer to the product ZK1001GRA735.		
Resistance to storage	approx. 18 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.		
Structure recommendation	Substrate	Steel	
	Primer	KP1631L Dry film thickness 40-60 µm	



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	Top coat	ZK1001G	
		Dry film thickness 20-30 µm	
Note before use	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).		
Thinning	EFD dilution 400320		
Processing conditions	from 10 °C to 25 °C		
Airless spraying	60-80 sec. / 4 mm viscosity cup Nozzle 0,33-0,38 mm angle 40° Material pressure 100-150 bar		DIN 53211
High pressure spraying	20-40 sec. / 4 mm Flow cup Nozzle 1,4 mm Injection pressure 3-4 bar		DIN 53211
Material usage	without application loss 65-75 g/m ² layer thickness 25 µm		theoretical
Oven drying	up to 50 °C possible (object temperature)		
Air drying	20 °C, 50 % relative humidity		
Dust drying	after 20 minutes (degree of dryness 1)		DIN EN ISO 9117-5
Dry to the touch	after 2 hours (degree of dryness 4)		DIN EN ISO 9117-5
Full drying	after 6 day/s (pendulum damping)		DIN EN ISO 1522
Cleaning of equipment	EFD dilution 400500		

Further processing of coated pieces

Repainting	after 24 hours / room temperature approx. 20 °C.
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Comments

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