Technical Datasheet





Characteristics	owder coating for use on industrial exteriors	
	oplication, e.g. in the mechanical engineering and plant construction	on sector
	gh glossy, smooth	
	ood mechanical resistance and surface hardness	
	ood light and weather resistance	
	ery good resistance to chemicals	
System Coating	System Liquid Coating	
	or various applications, there are coatings available, whose optical garding colour, gloss degree and surface is in optimum balance.	appearance
Technical / Physical Data	nder-Base polyurethane (non-separating)	
	olour colourless (= RA999)	
	loss value high glossy	
	est layer thickness 70 µm by colour RA999	
	ensity 1,1-1,2 g/cm³ culated	
	aterial usage 0,08 kg/m² with 70 µm mean test layer thickness	
Mechanical Test on steel panel ST 1405	ross-cut-test Gt 0	
	richsen index >5 mm	
	npact-Test >60 kg cm (front) N EN ISO 6272-1	
Resistance Test	n zinc phosphatized steel plate	
	ondensate constant climate 500 hours N EN ISO 6270-2 (CH) Water ingress Wb < 1 mm DIN EN ISO 4628-8	
	alt spray test (NSS) NEN ISO 9227 Water ingress Wb < 1 mm DIN EN ISO 4628-8	
	O2-industry atmosphere 10 cycles at 0,2 I SO 2 no change	
	hemical resistance Needs to be checked. The temperature and concentration have a major influence on the test	
Processing and application Dependent on plant and buildings	rocessing / Loading orona	
	retreatment ne substrate must be free of adhesion-impairing substances such a st, scale, rolling skin, wax and separating agent residue. requirements are more demanding than this, we recommend appr	-

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 and delivery.

Page: 1 / 2 Version: 0 21.11.2021 DIN EN ISO 9001 IATF 16949 EMAS Emil Frei GmbH & Co. KG Döggingen Am Bahnhof 6 78199 Bräunlingen | GERMANY Phone +49 [0] 7707.151-0 Fax +49 [0] 7707.151-238 www.freilacke.de info@freilacke.de





phosphatizing or chromatizing.

■ Touch-up coating: on enquiry

■ Health & Safety at Work guidlines

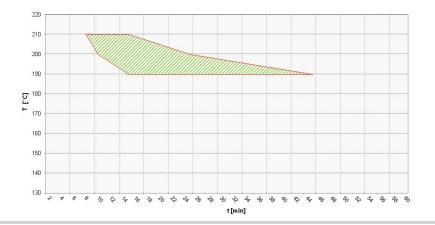
The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

Curing

Object temperature

Recommended baking temperature 10 min./200 °C

Baking window tested in colour shade RA999 green cross-hatching = baking conditions with good final properties



Resistance to storage

Approx. 36 month in original packagings at an ambient temperature of 5 to 25 °C. Powder coatings must be stored in a cool and dry place.

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.

Specific comments

- Protective screening: 160 µm
- Compatibility with other powder coatings: Needs to be checked

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.

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