Technical Datasheet





Characteristics	Powder coating primer for interior use and for functional use on exteriors	
	application, e.g. in the mechanical engineering and plant construction	n sector
	igh glossy, smooth	
	ery smooth to apply	
	Good mechanical resistance and surface hardness	
	Degassing setting	
System Coating	System Liquid Coating	
	For various applications, there are coatings available, whose optical agarding colour, gloss degree and surface is in optimum balance.	appearance
Technical / Physical Data	Binder-Base epoxy polyester resin	
	Colour all common colour shades	
	Gloss value high glossy >85 geometry 60°	
	est layer thickness 70 μm by colour RAL 7004	
	Density 1,2-1,7 g/cm³ colour-dependent alculated	
	Material usage 0,1 kg/m² with 70 µm mean test layer thickness	
Mechanical Test on steel panel ST 1405	Cross-cut-test Gt 0	
	Erichsen index >4 mm	
	mpact-Test 80 kg cm (front)	
Resistance Test	n chromatized aluminium	
	Condensate constant climate IN EN ISO 6270-2 (CH) Water ingress Wb < 1 mm DIN EN ISO 4628-8	
	Salt spray test (NSS) 1000 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8	
	SO2-industry atmosphere 10 cycles at 0,2 I SO 2 no change	
	Chemical resistance Needs to be checked. The temperature and concentration have a major influence on the test of	
Processing and application Dependent on plant and buildings	Processing / Loading Corona, Tribo	
	Pretreatment The substrate must be free of adhesion-impairing substances such a ust, scale, rolling skin, wax and separating agent residue. f requirements are more demanding than this, we recommend appro	_

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: 1 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

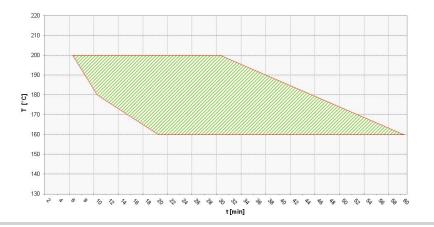
The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

Curing

Object temperature

Recommended baking temperature 10 min./180 °C

Baking window tested in colour shade RAL 7004 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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