Technical Datasheet





Dependent on plant and buildings	Corona Pretreatment	ust be free of adhesion-impairing substances such as oil, grease,	
Processing and application	■ Processing / L	•	
	Chemical resis	nnce Needs to be checked. The temperature and concentration of chemicals have a major influence on the test outcome.	
	SO2-industry a	nosphere 10 cycles at 0,2 I SO ₂ no change	
	■ Salt spray test DIN EN ISO 9227	NSS) 240 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8	
	Condensate co		
Resistance Test	on iron phosph	ted steel panel	
	Impact-Test DIN EN ISO 6272-1	>40 kg cm (front)	
	■ Erichsen index	>2 mm	
Mechanical Test on steel panel ST 1405	Cross-cut-test DIN EN ISO 2409	Gt 0	
	Material usage	0,12 kg/m² with 80 μm mean test layer thickness	
	Density calculated	1,2-1,7 g/cm³ colour-dependent	
	■ Test layer thick	ess 80 µm by colour RAL 9005	
	Gloss value DIN EN ISO 2813	mat 15-25 geometry 60°	
	Colour	all common colour shades	
Technical / Physical Data	■ Binder-Base	epoxy resin	
		For various applications, there are coatings available, whose optical appearance regarding colour, gloss degree and surface is in optimum balance.	
System Coating	System Liquid	System Liquid Coating	
	Degassing sett	g	
	■ Good mechani	al resistance and surface hardness	
	■ Good corrosior	protection	
	■ mat, smooth	in the mechanical engineering and plant construction sector	
Characteristics	Powder coating for interior useApplication, e.g. in the mechanical engineering and plant construction sector		

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

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rust, scale, rolling skin, wax and separating agent residue. If requirements are more demanding than this, we recommend appropriate levels of phosphatizing or chromatizing.

■ Touch-up coating: on enquiry

Health & Safety at Work guidlines

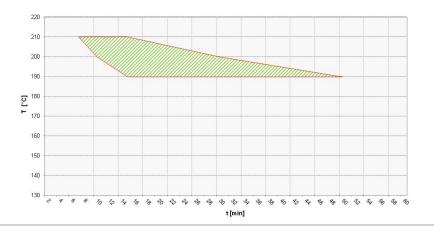
The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

Curing

Object temperature

Recommended baking temperature 10 min./200 °C

Baking window tested in colour shade RAL 9005 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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