Technical Datasheet





		Health & Safety at Work guidlines The standard personal safety precautions must be observed when handling painting				
	H	Touch-up coating: on enquiry				
	•	Pretreatment The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue. If requirements are more demanding than this, we recommend appropriate levels of phosphatizing or chromatizing.				
Processing and application Dependent on plant and buildings		Processing / Loading Corona, Tribo				
	ľ	Chemical resistance	Needs to be checked. The temperature and concentration of chemicals have a major influence on the test outcome.			
	ľ	Salt spray test (NSS) DIN EN ISO 9227	240 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8			
	Ī	Condensate constant climate DIN EN ISO 6270-2 (CH)	500 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8			
Resistance Test	ī	on zinc phosphatized steel plate				
	Ī	Impact-Test DIN EN ISO 6272-1	>60 kg cm (front)			
	ī	Erichsen index DIN EN ISO 1520	>3 mm			
Mechanical Test on steel panel ST 1405	Ē	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			
	Т	Test layer thickness	80 μm by colour RAL 9010			
		Gloss value	satin mat			
	Е	Colour	all common colour shades			
Technical / Physical Data	Ē	Binder-Base	polyester resin			
		For various applications, there are coatings available, whose optical appearance regarding colour, gloss degree and surface is in optimum balance.				
System Coating	۰	System Liquid Coating				
		Uniform surface structure across a range of 70 to 110 μm				
		Good mechanical resistance and surface hardness				
	-	satin mat, micro structure				
		Application, 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





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.

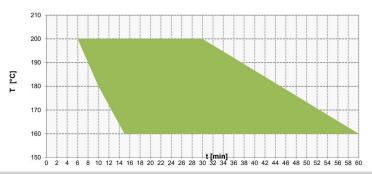
Curing

Object temperature

Recommended baking temperature 10 min./180 °C

Baking window tested in colour shade RAL 9010 green cross-hatching = baking conditions with good final properties

Objekt Temperatur °C Object Temperature °C	160	180	200	
Haltezeit Minimum Minuten Holding time minimum Minutes	15	10	6	
Haltezeit Maximum Minuten Holding time maximum Minutes	60	45	30	



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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