Technical Datasheet





Characteristics	Powder coating for restricted use on industrial ex	teriors	
	Application, e.g. in the construction and sanitary sector		
	atin glossy, glatt		
	/ery good light and weather resistance		
	r highest standards of resistance to abrasive wear		
	Very good corrosion protection		
System Coating	System Liquid Coating		
	For various applications, there are coatings available, whose optical appearance regarding colour, gloss degree and surface is in optimum balance.		
Technical / Physical Data	Binder-Base polyester resin		
	Colour all common colo	our shades	
	Gloss value satin glossy 55-75 geometry	60°	
	Test layer thickness 70 µm by colour	RAL 2002	
	Density 1,2-1,7 g/cm³ co	plour-dependent	
	Material usage 0,1 kg/m² with 7 mean test layer		
Mechanical Test on steel panel ST 1405	Cross-cut-test Gt 0		
	Erichsen index >3 mm		
	Impact-Test 80 kg cm (front))	
Resistance Test	on zinc phosphatized steel plate		
	Condensate constant climate DIN EN ISO 6270-2 (CH) Water ingress V DIN EN ISO 4628		
	Salt spray test (NSS) DIN EN ISO 9227 Water ingress V DIN EN ISO 4628		
	SO2-industry atmosphere 10 cycles at 0,2 no change	2 I SO ₂	
		ecked. e and concentration of chemicals fluence on the test outcome.	
Processing and application Dependent on plant and buildings	Processing / Loading Corona, Tribo		
	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		

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 16.05.2021 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.

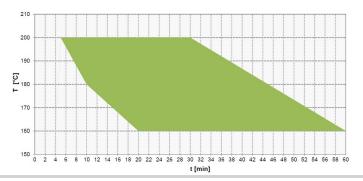
Curing

Object temperature

Recommended baking temperature 10 min./180 °C

Baking window tested in colour shade RAL 2002 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	20	10	5	
Haltezeit Maximum Minuten Holding time maximum Minutes	60	45	30	



Resistance to storage

Approx. 6 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.

info@freilacke.de