# **Technical Datasheet**





Characteristics	Powder coating for use on industrial exteriors	3
	Application, e.g. in the construction and sanitary sector	
	satin glossy, smooth	
	Very good corrosion protection	
	Good mechanical resistance and scratch res	istance
	Good light and weather resistance	
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 re	sin
	Colour all common	colour shades
	Gloss value satin glossy DIN EN ISO 2813 65-75 geom	
	Test layer thickness 70 µm by co	olour RAL 9016
	Density 1,2-1,7 g/cn calculated	n³ colour-dependent
	Material usage 0,1 kg/m² w mean test la	ith 70 μm ayer thickness
Mechanical Test on steel panel ST 1405	Cross-cut-test Gt 0 DIN EN ISO 2409	
	Erichsen index DIN EN ISO 1520  >4 mm	
	Impact-Test 80 kg cm (f	ront)
	Buchholz penetration test < 1,2 mm DIN EN ISO 2815	
Resistance Test	on zinc phosphatized steel plate	
	Condensate constant climate DIN EN ISO 6270-2 (CH)  1000 hours Water ingre DIN EN ISO	ess Wb < 1 mm 4628-8
	Salt spray test (NSS) 500 hours  DIN EN ISO 9227 Water ingre DIN EN ISO	ess Wb < 1 mm 4628-8
	SO2-industry atmosphere 10 cycles a no change	t 0,2   SO <sub>2</sub>
		e checked. ature and concentration of chemicals or influence on the test outcome.
Processing and application	Processing / Loading Corona, Tribo	
Dependent on plant and buildings	Corona, Tribo	

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



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

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

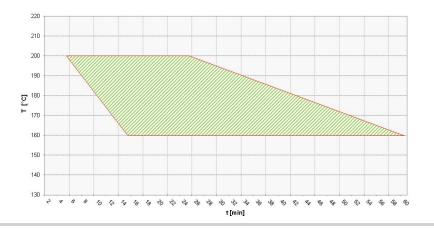
The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

# Curing

### Object temperature

Recommended baking temperature 10 min./180 °C

Baking window tested in colour shade RAL 9016 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.

Emil Frei GmbH & Co. KG