# **Technical Datasheet**





Characteristics	Powder coating for use on industrial exteriors with non-stringent requirements on weather-resistance	
	plication, e.g. in the mechanical e	ngineering and plant construction sector
	in mat, micro structure	
	od mechanical resistance and su	rface hardness
	iform surface structure across a r	ange of 70 to 110 μm
System Coating	stem 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	der-Base pol	yester resin
	lour all	common colour shades
	oss value sat	n mat
	st layer thickness 80	µm by colour RAL 9010
	nsity 1,2	-1,7 g/cm³ colour-dependent
		2 kg/m² with 80 μm an test layer thickness
Mechanical Test on steel panel ST 1405	oss-cut-test Gt	)
	chsen index >3 EN ISO 1520	mm
	pact-Test >6 EN ISO 6272-1	0 kg cm (front)
Resistance Test	zinc phosphatized steel plate	
	EN ISO 6270-2 (CH) Wa	0 hours ater ingress Wb < 1 mm I EN ISO 4628-8
	EN ISO 9227 Wa	) hours ater ingress Wb < 1 mm I EN ISO 4628-8
	The	eds to be checked. e temperature and concentration of chemicals ve a major influence on the test outcome.
Processing and application Dependent on plant and buildings	ocessing / Loading rona, 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 phosphatizing or chromatizing.	
	uch-up coating: on enquiry	
	alth & Safety at Work guidlines	
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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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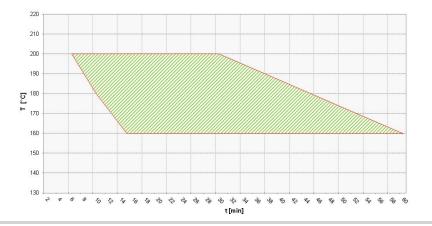
The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

### Curing

#### Object temperature

Recommended baking temperature 10 min./180 °C

Baking window tested in colour shade RAL 9010 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.

**DIN EN ISO 9001** 

IATF 16949

**EMAS** 

Emil Frei Giller:
Döggingen
Am Bahnhof 6
78199 Bräunlingen | GERMANY
Phone +49 [0] 7707.151-0
Fax +49 [0] 7707.151-238 info@freilacke.de