# **Technical Datasheet**





Characteristics	owder coating for decorative use on exteriors	
	pplication, e.g. in the mechanical engineering and plant cons	truction sector
	nat, smooth	
	letallic effect, bonded	
	ood mechanical resistance and surface hardness	
	ood light and weather resistance	
	mooth to apply	
System Coating	ystem Liquid Coating	
	or various applications, there are coatings available, whose c egarding colour, gloss degree and surface is in optimum bala	
Technical / Physical Data	inder-Base polyester resin	
	colour all common colour shades	
	iloss value mat	
	est layer thickness 80 µm by colour RAL 9006	
	ensity 1,2-1,7 g/cm³ colour-depende	ent
	laterial usage 0,12 kg/m² with 80 µm mean test layer thickness	
Mechanical Test on steel panel ST 1405	ross-cut-test Gt 0 N EN ISO 2409	
	richsen index >3 mm N EN ISO 1520	
	npact-Test 60 kg cm (front) N EN ISO 6272-1	
Resistance Test	n zinc phosphatized steel plate	
	ondensate constant climate N EN ISO 6270-2 (CH) 500 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8	
	alt spray test (NSS)  N EN ISO 9227  Water ingress Wb < 1 mm DIN EN ISO 4628-8	
	hemical resistance Needs to be checked.  The temperature and concen have a major influence on the	tration of chemicals e test outcome.
Processing and application Dependent on plant and buildings	rocessing / Loading orona	
	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.	
	ust, scale, rolling skin, wax and separating agent residue.	

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: 1 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



### ■ Health & Safety at Work guidlines

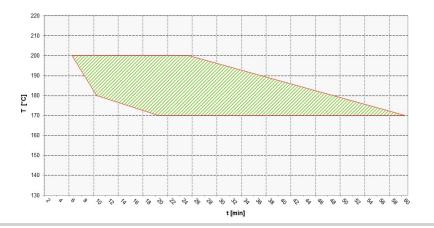
The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

## Curing

#### Object temperature

Recommended baking temperature 10 min./180 °C

Baking window tested in colour shade RAL 9006 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
- **EFD-Info**

Refer to the EFD information for further technical information. No. 502

## 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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