# **Technical Datasheet**





	Th	etreatment ne substrate must be free of ac st, scale, rolling skin, wax and	Thesion-impairing substances such as oil, grease, separating agent residue.	
Processing and application Dependent on plant and buildings		ocessing / Loading orona, Tribo		
	■ Ch	nemical resistance	Needs to be checked.  The temperature and concentration of chemicals have a major influence on the test outcome.	
	SC DIN	D2-industry atmosphere IEN ISO 3231	10 cycles at 0,2 I SO <sub>2</sub> no change	
	■ Sa	alt spray test (NSS) I EN ISO 9227	500 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8	
		ondensate constant climate I EN ISO 6270-2 (CH)	1000 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8	
Resistance Test	■ on	zinc phosphatized steel plate		
	■ Bu	ichholz penetration test I EN ISO 2815	< 1,2 mm	
	■ Im	pact-Test I EN ISO 6272-1	>60 kg cm (front)	
		ichsen index I EN ISO 1520	>5 mm	
Mechanical Test on steel panel ST 1405		oss-cut-test I EN ISO 2409	Gt 0	
	■ Ma	aterial usage	0,1 kg/m² with 70 µm mean test layer thickness	
		ensity culated	1,2-1,7 g/cm³ colour-dependent	
	■ Te	est layer thickness	70 μm by colour RAL 9010	
		OSS Value I EN ISO 2813	glossy 70-85 geometry 60°	
	■ Co	blour	all common colour shades	
Technical / Physical Data	■ Bir	nder-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	■ Sy	stem Liquid Coating		
	■ Go	Good mechanical resistance and surface hardness		
	■ Sn	nooth to apply		
	■ glo	glossy, smooth		
	■ Ap	Application, e.g. in the vehicle 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



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

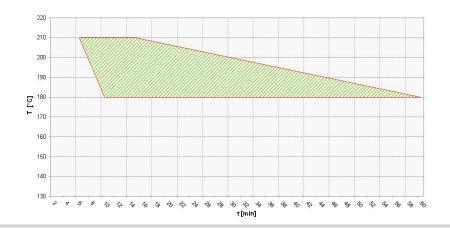
The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

#### Curing

Object temperature

Recommended baking temperature 10 min./180 °C

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



### Resistance to storage

Approx. 12 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**