Technical Datasheet





Characteristics	Powder coating for use on industrial exteriors	
5.10100to13000	Powder coating for use on industrial exteriors Application, e.g. in the construction and sanitary sector	
	Application, e.g. in the construction and sanitary sector mat, smooth	
	•	
	Good light and weather resistance Good mechanical resistance and scratch resistance	
	Smooth to apply	
System Coating	System Liquid Coating	
	For various applications, there are coatings available, whose optic regarding colour, gloss degree and surface is in optimum balance.	
Technical / Physical Data	Binder-Base polyester resin	
	Colour all common colour shades	
	Gloss value mat DIN EN ISO 2813 15-25 geometry 60°	
	Test layer thickness 70 µm by colour RAL 9010	
	Density 1,2-1,7 g/cm³ colour-dependent	
	Material usage 0,1 kg/m² with 70 µm mean test layer thickness	
Mechanical Test on steel panel ST 1405	Cross-cut-test Gt 0 DIN EN ISO 2409	
	Erichsen index >3 mm	
	mpact-Test >60 kg cm (front)	
Resistance Test	on zinc phosphatized steel plate	
	Condensate constant climate DIN EN ISO 6270-2 (CH) 500 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8	
	Salt spray test (NSS) 240 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8	
	SO2-industry atmosphere 6 cycles at 0,2 I SO 2 no change	
	Chemical resistance Needs to be checked. The temperature and concentrati have a major influence on the test.	
Processing and application Dependent on plant and buildings	Processing / Loading Corona	
	Pretreatment The substrate must be free of adhesion-impairing substances sucl rust, scale, rolling skin, wax and separating agent residue. If requirements are more demanding than this, we recommend ap	-

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: 2 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





phosphatizing or chromatizing.

■ Touch-up coating: on enquiry

Health & Safety at Work guidlines

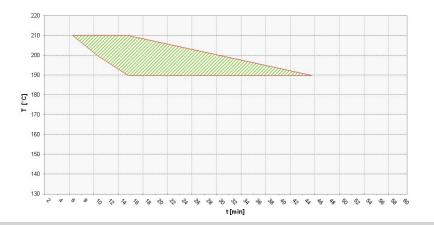
The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

Curing

Object temperature

Recommended baking temperature 10 min./200 °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.

Emil Frei GmbH & Co. KG