Technical Datasheet





Characteristics	owder coating for interior use		
	Application, e.g. in the functional furniture and storage technology sector		
	tuff mat, micro structure		
	Metallic effect, non-bonded		
	Very good mechanical resistance and surface hardness		
	■ Uniform surface structure across a range of 70 to 110 µm		
	Superlative surface sliding properties		
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	inder-Base epoxy poly	vester resin	
	olour all commo	n colour shades	
	loss value mat		
	est layer thickness 80 µm by 0	colour RAL 9006	
	ensity 1,2-1,7 g/c lculated	cm³ colour-dependent	
		² with 80 μm layer thickness	
Mechanical Test on steel panel ST 1405	ross-cut-test Gt 0		
	richsen index N EN ISO 1520 >3 mm		
	npact-Test >70 kg cm	n (front)	
Resistance Test	n iron phosphated steel panel		
	ondensate constant climate 500 hours N EN ISO 6270-2 (CH) Water ing DIN EN ISO	ress Wb < 1 mm	
	alt spray test (NSS) 240 hours N EN ISO 9227 Water ing DIN EN ISO	ress Wb < 1 mm	
	The temper	be checked. erature and concentration of chemicals ajor influence on the test outcome.	
Processing and application Dependent on plant and buildings	rocessing / Loading orona		
	retreatment he substrate must be free of adhesion-imp ist, scale, rolling skin, wax and separating requirements are more demanding than the hosphatizing or chromatizing.	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: 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





■ 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.

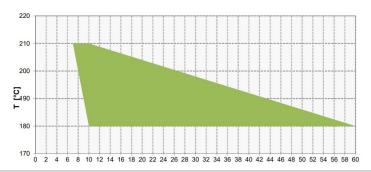
Curing

Object temperature

Recommended baking temperature 10 min./180 °C

Baking window tested in colour shade RAL 9006 green cross-hatching = baking conditions with good final properties

Objekt Temperatur °C Object Temperature °C	180	200	210	200
Haltezeit Minimum Minuten Holding time minimum Minutes	10	8	7	6
Haltezeit Maximum Minuten Holding time maximum Minutes	60	30	12	25



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.