Technical Datasheet





Characteristics		Anodic electrocoat paint depositable 1K		
	-	Application, e.g. in the functional furniture and storage technology sector		
	-	Subsequent paste filling, partly r	neutralised	
	Ŀ	Single coat system		
Technical / Physical Data	Ŀ	Binder-Base	Acrylic Resin	
	Ŀ	Colour	element silver Based on the specified colour template (i.e. RAL)	
		Solid Mass DIN EN ISO 3251	38-42 %	
	•	Density calculated	1,04 g/cm³	
		MEQ-Base-Value DIN EN ISO 15880	32-39	
		Viscosity	4000-10000 mPa.s	
		Test layer thickness	15-25 μm	
Mechanical Test		on steel, purified alkaline		
	•	Cross-cut-test DIN EN ISO 2409	Gt 0	
	•	Mandrel bending test cylindrical DIN EN ISO 1519	8 mm	
	-	Buchholz penetration test DIN EN ISO 2815	1,0 mm	
	•	Pencil Hardness acc. Wolff- Wilborn ISO 15184	3 H	
Resistance Test		on steel, purified alkaline		
	•	Condensate constant climate DIN EN ISO 6270-2 (CH)	504 hours water ingress Wb < 1 mm DIN EN ISO 4628-8	
Processing and application Dependent on plant and buildings	۰	Pretreatment The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue.		
	-	Gloss value DIN EN ISO 2813	40-50 geometry 60°	
	П	pH-Value	8,0-8,8	
	П	Cunductance	1300-1600 μS/cm	
	Ī	Solid Mass DIN EN ISO 3251	14,0-15,0 %	
	-	MEQ-Base-Value DIN EN ISO 15880	43-47 mg/g	
		Organic Solvent Content	2,0-3,6 %	
		Bath Temperature	24-27 °C	

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 16.05.2021 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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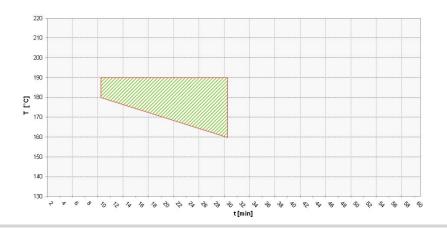




	■ Coating Time	60-180 seconds	
	■ Deposition Voltage	70-200 voltage	
	■ Health & Safety at Work guidlines		
	The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.		
Curing	■ Object temperature		

Recommended baking temperature 20 Min./170 °C

green cross-hatching = baking conditions with good final properties



Resistance to storage

One Turn-Over per year

Approx. 12 month in original packagings at an ambient temperature of 5 to 25 °C. Protect from frost. Open packages are to be used within a short time.

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

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.