Technical Datasheet





Characteristics			
Characteristics	Anodic electrocoat paint depositable 2K		
	Application, e.g. in the functional furniture and storage technology sector		
	Subsequent paste filling, partly neutralised		
	Primer and single coat system		
	High scratch resistance		
Technical / Physical Data	■ Binder-Base	Acrylic Resin	
	Colour	light grey Based on the specified colour template (i.e. RAL)	
	Solid Mass DIN EN ISO 3251	68-72 %	
	Density calculated	1,48 g/cm³	
	■ MEQ-Base-Value DIN EN ISO 15880	11-14	
	■ Test layer thickness	15-20 μm	
Mechanical Test	on iron phosphating		
	Cross-cut-test DIN EN ISO 2409	Gt 0	
	■ Erichsen index DIN EN ISO 1520	4 mm	
	■ Mandrel bending test cylindrica DIN EN ISO 1519	I 8 mm	
	■ Buchholz penetration test DIN EN ISO 2815	1,0 mm	
	Pencil Hardness acc. Wolff- Wilborn ISO 15184	3 H	
Processing and application	■ Pretreatment		
Dependent on plant and buildings	The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue.		
	■ Mixing ratio	The mixing ratio is dependent on various factors and is therefore coordinated with the relevant system in cooperation with the application technology department.	
	Gloss value DIN EN ISO 2813	40-50 geometry 60°	
	■ pH-Value	8,2-8,6	
	■ Cunductance	1300-1600 μS/cm	
	Solid Mass DIN EN ISO 3251	14-16 %	
	■ Organic Solvent Content	0,5-1,2 %	
	■ 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: 4 16.05.2021 DIN EN ISO 9001 IATF 16949 EMAS Emil Frei GmbH & Co. KG
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Deposition Voltage

100-300 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.

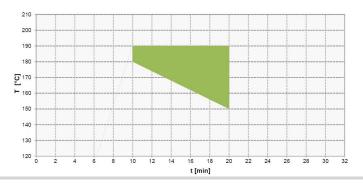
Curing

Object temperature

Recommended baking temperature 15 Min./165 °C

green cross-hatching = baking conditions with good final properties

Objekt Temperatur °C Object Temperature °C	150	165	180
Haltezeit Minimum Minuten Holding time minimum Minutes	20	15	10
Haltezeit Maximum Minuten Holding time maximum Minutes	30	25	20



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.