Technical Datasheet





Characteristics	Cathodic electrocoat paint depositable 2K	
	■ Application, e.g. in the vehicle construction sector	
	■ Pigment paste, fully neutralise	d
	Primer and single coat system	ı
	■ Thick layer application	
	Very good light- and weather r	resistance
Technical / Physical Data	■ Binder-Base	Acrylic Resin, modified
	Colour	grimme red Based on the specified colour template (i.e. RAL)
	Solid Mass DIN EN ISO 3251	63-67 %
	Density calculated	1,18 g/cm³
	■ Viscosity	2000-6000 mPa.s
	■ Test layer thickness	40-50 μm
Mechanical Test	on zinc phosphate	
	Cross-cut-test DIN EN ISO 2409	Gt 0
	■ Erichsen index DIN EN ISO 1520	5 mm
	■ Buchholz penetration test DIN EN ISO 2815	0,9 mm
	Stone chipping test DIN EN ISO 20567-1	Sensitivity 2
Resistance Test	on zinc phosphate	
	■ Condensate constant climate DIN EN ISO 6270-2 (CH)	480 hours water ingress Wb <0,5 mm DIN EN ISO 4628-8
	■ Salt spray test (NSS) DIN EN ISO 9227	480 hours water ingress Wb <2 mm DIN EN ISO 4628-8
	■ QUV/B-313-Test DIN EN ISO 11507 postup 1A	504 hours
	■ WOM-Test DIN EN ISO 11341 Process 1A	1000 hours
	Chemical resistance	Needs to be checked. The temperature and concentration of chemicals have a major influence on the test outcome.
Processing and application Dependent on plant and buildings	■ Pretreatment The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue. For more demanding requirements on corrosion inhibiting properties, we recommend suitable conversion processes (e.g. phosphatizing).	
	recommend suitable conversion	on processes (e.g. pnospnatizing).

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 / 3 Version: 2 21.02.2021 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





WK4046 : WK4315
60-70 geometry 60°
4,5-5,5
1000-1600 μS/cm
14-18 %
5,5-6,5 %
32-34 °C
120-240 seconds
200-350 voltage

Health & Safety at Work guidlines

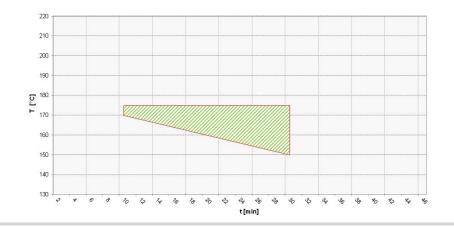
The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

Curing

Object temperature

Recommended baking temperature 20 Min./160 °C

green cross-hatching = baking conditions with good final properties



Resistance to storage

One Turn-Over per year

Approx. 9 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

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further information.

The information provided here contains reference values and does not constitute a specification.

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