Technical Datasheet





Application, e.g. in the mechanical engineering and plant construction sector				
satin glossy, smooth	Characteristics	Powder coating for decorative use on exteriors		
Metallic effect, non-bonded Smooth to apply Good mechanical resistance and surface hardness		Application, e.g. in the mechanical engineering and plant construction	n sector	
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 For various applications, there are coatings available, whose optical appearance regarding colour, gloss degree and surface is in optimum balance. Technical / Physical Data For various applications, there are coatings available, whose optical appearance regarding colour, gloss degree and surface is in optimum balance. Technical / Physical Data For Various application, all common colour shades Colour all common colour shades Satin glossy Test layer thickness 70 µm by colour RAL 9006 Density Calculated Colours all common colour shades 70 µm by colour RAL 9006 Density Calculated Density Calculated Colours all common colour shades 70 µm by colour RAL 9006 Test layer thickness 70 µm by colour RAL 9006 Test layer thickness 70 µm by colour RAL 9006 GE 10 Density Calculated Conserved Conserved Colours Density Resistance Test Density Resistance Conserved		satin glossy, smooth		
System Coating System Liquid Coating		Metallic effect, non-bonded		
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. Binder-Base polyester resin Colour all common colour shades Satin glossy		Smooth to apply		
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regarding colour, gloss degree and surface is in optimum balance. Technical / Physical Data Binder-Base	System Coating	System Liquid Coating		
Colour all common colour shades				
Condensate constant climate Satinglossy	Technical / Physical Data	Binder-Base polyester resin		
Test layer thickness 70 µm by colour RAL 9006 Density		Colour all common colour shades		
Density calculated 1,2-1,7 g/cm³ colour-dependent				
Material usage		Test layer thickness 70 µm by colour RAL 9006		
Mechanical Test on steel panel ST 1405 Cross-cut-test DIN EN ISO 2409		Density 1,2-1,7 g/cm³ colour-dependent calculated		
on steel panel ST 1405 Erichsen index DIN EN ISO 1520 Impact-Test DIN EN ISO 6272-1 >60 kg cm (front)				
Impact-Test				
Resistance Test On zinc phosphatized steel plate Condensate constant climate DIN EN ISO 6270-2 (CH) Salt spray test (NSS) DIN EN ISO 9227 Salt spray test (NSS) DIN EN ISO 4628-8 Chemical resistance 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. If requirements are more demanding than this, we recommend appropriate levels of phosphatizing or chromatizing. Touch-up coating: on enquiry				
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Salt spray test (NSS) 500 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8 Salt spray test (NSS) 500 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8 Chemical resistance Needs to be checked. The temperature and concentration of chemicals have a major influence on the test outcome. Processing and application Processing / Loading Corona Pretreatment The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue. If requirements are more demanding than this, we recommend appropriate levels of phosphatizing or chromatizing. Touch-up coating: on enquiry	Resistance Test	on zinc phosphatized steel plate		
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■ Health & Safety at Work guidlines		Touch-up coating: on enquiry		
		Health & Safety at Work guidlines		

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

Technical Datasheet





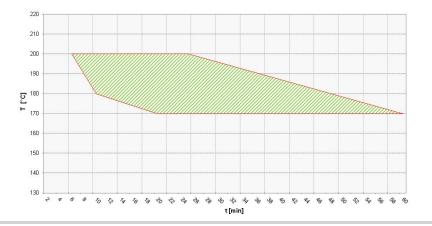
The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

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



Resistance to storage

Approx. 12 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.

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