

Characteristics	Powder coating for decorative use on exteriors		
	Application, e.g. in the vehicle construction sector		
	mat, smooth		
	Good mechanical resistar	nce and surface hardness	
	Good light and weather re	esistance	
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	Binder-Base	polyester resin	
	Colour	colourless (= RA999)	
	Gloss value	mat	
	Test layer thickness	80 µm by colour 9099	
	Density calculated	1,2 g/cm ³ colour-dependent	
Mechanical Test on steel panel ST 1405	Cross-cut-test DIN EN ISO 2409	Gt 0	
	Erichsen index DIN EN ISO 1520	>6 mm	
	Impact-Test DIN EN ISO 6272-1	>60 kg cm (front)	
Resistance Test	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	Processing / Loading Corona		
	Pretreatment The substrate must be free	Pretreatment The substrate must be free of adhesion-impairing substances	
	The standard personal sa	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 ter 	Object temperature Recommended baking temperature 10 min./180 °C	
	Baking window tested in colour shade 9099 green cross-hatching = baking conditions with good final properties		

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 24.11.2022 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

Frei Lacke

FREIOTHERM-Powder Coating PP5101BRA999

	Objekt Temperatur °C Object Temperature °C 180 190 200		
	Haitezeit Minimum Minuten Holding time minimum Minutes 10 8 6		
	Haltezeit Maximum Minuten Holding time maximum Minutes 20 16 12		
	riviang une-movimum minusea		
	210		
	200		
	ङ्ग ₉₀		
	180		
	t [min]		
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 standard stability of each both is stated as the marking labor. The		
	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.		
0			
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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