

Characteristics	Powder coating for decorative use on exteriors		
	Application, e.g. in the vehicle	construction sector	
	satin mat, smooth		
	Good mechanical resistance a	nd surface hardness	
	Good light and weather resistant	nce	
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	all common colour shades	
	Gloss value DIN EN ISO 2813	satin mat 30-40 geometry 60°	
	Test layer thickness	80 μm by colour 7021	
	Density calculated	1,2-1,7 g/cm <sup>3</sup> colour-dependent	
	Material usage	0,12 kg/m² with 80 μm mean test layer thickness	
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	on iron phosphated steel pane	I	
	Condensate constant climate DIN EN ISO 6270-2 (CH)	240 hours Water ingress Wb < 1 mm DIN EN ISO 4628-8	
	Salt spray test (NSS) DIN EN ISO 9227	240 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 Dependent on plant and buildings	Processing / Loading Corona		
	<ul> <li>Pretreatment</li> <li>The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue.</li> <li>If requirements are more demanding than this, we recommend appropriate levels of phosphatizing or chromatizing.</li> </ul>		
	Touch-up coating: on enquiry		
	Health & Safety at Work guid	lines	

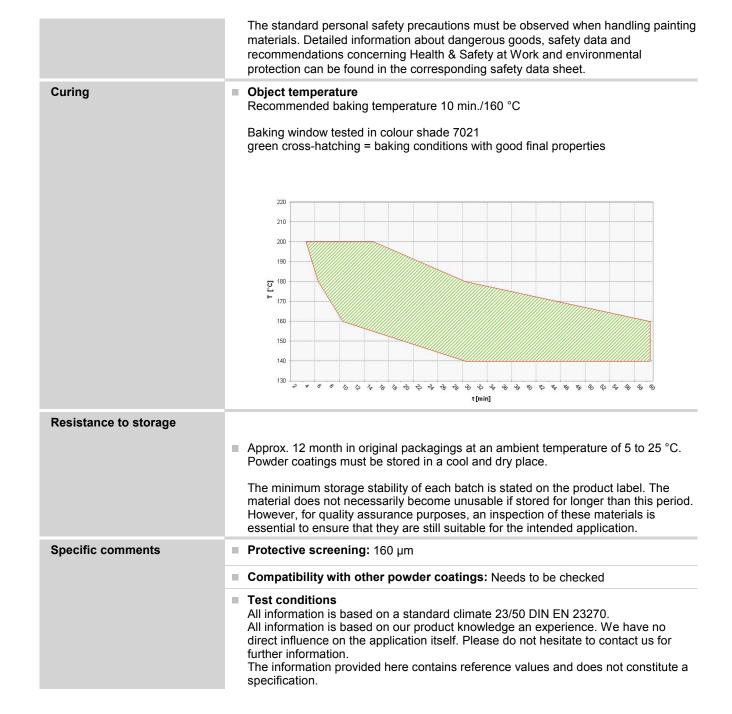
Our technical data sheets are to provide you with advice based on our latest state of knowledge. This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications. The sale of our products is in accordance with our terms of business and delivery.

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## **FREIOTHERM-Powder Coating** PT5102D



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