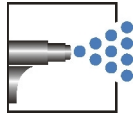




# FREIOTHERM-Powder Coating

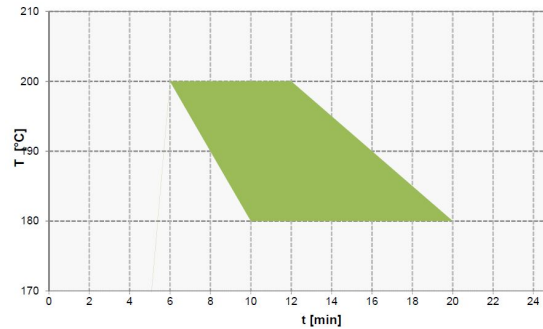
## PP5101BRA999

<b>Characteristics</b>	<ul style="list-style-type: none"> <li>■ Powder coating for decorative use on exteriors</li> <li>■ Application, e.g. in the vehicle construction sector</li> <li>■ mat, smooth</li> <li>■ Good mechanical resistance and surface hardness</li> <li>■ Good light and weather resistance</li> </ul>										
<b>System Coating</b>	<ul style="list-style-type: none"> <li>■ System Liquid Coating</li> </ul> <p>For various applications, there are coatings available, whose optical appearance regarding colour, gloss degree and surface is in optimum balance.</p>										
<b>Technical / Physical Data</b>	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">■ Binder-Base</td> <td>polyester resin</td> </tr> <tr> <td>■ Colour</td> <td>colourless (= RA999)</td> </tr> <tr> <td>■ Gloss value <small>visual</small></td> <td>mat</td> </tr> <tr> <td>■ Test layer thickness</td> <td>80 µm by colour 9099</td> </tr> <tr> <td>■ Density <small>calculated</small></td> <td>1,2 g/cm<sup>3</sup> colour-dependent</td> </tr> </table>	■ Binder-Base	polyester resin	■ Colour	colourless (= RA999)	■ Gloss value <small>visual</small>	mat	■ Test layer thickness	80 µm by colour 9099	■ Density <small>calculated</small>	1,2 g/cm <sup>3</sup> colour-dependent
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<b>Mechanical Test</b> on steel panel ST 1405	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%;">■ Cross-cut-test <small>DIN EN ISO 2409</small></td> <td>Gt 0</td> </tr> <tr> <td>■ Erichsen index <small>DIN EN ISO 1520</small></td> <td>&gt;6 mm</td> </tr> <tr> <td>■ Impact-Test <small>DIN EN ISO 6272-1</small></td> <td>&gt;60 kg cm (front)</td> </tr> </table>	■ Cross-cut-test <small>DIN EN ISO 2409</small>	Gt 0	■ Erichsen index <small>DIN EN ISO 1520</small>	>6 mm	■ Impact-Test <small>DIN EN ISO 6272-1</small>	>60 kg cm (front)				
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<b>Resistance Test</b>	<ul style="list-style-type: none"> <li>■ Chemical resistance Needs to be checked. The temperature and concentration of chemicals have a major influence on the test outcome.</li> </ul>										
<b>Processing and application</b> Dependent on plant and buildings	<ul style="list-style-type: none"> <li>■ <b>Processing / Loading</b> Corona</li> <li>■ <b>Pretreatment</b> The substrate must be free of adhesion-impairing substances</li> <li>■ <b>Health &amp; Safety at Work guidelines</b> The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health &amp; Safety at Work and environmental protection can be found in the corresponding safety data sheet.</li> </ul>										
<b>Curing</b>	<ul style="list-style-type: none"> <li>■ <b>Object temperature</b> Recommended baking temperature 10 min./180 °C</li> </ul> <p>Baking window tested in colour shade 9099 green cross-hatching = baking conditions with good final properties</p>										



**FREIOTHERM-Powder Coating**  
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Objekt Temperatur   °C Object Temperature   °C	180	190	200
Haltezeit Minimum   Minuten Holding time minimum   Minutes	10	8	6
Haltezeit Maximum   Minuten Holding time maximum   Minutes	20	16	12



**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.