



# FREIOTHERM-ATL-ClearTec

## WA4061GRU999

<b>Characteristics</b>	<ul style="list-style-type: none"> <li>■ Anodic electrocoat paint depositable 1K</li> <li>■ Application, e.g. in the automotive sector</li> <li>■ Transparent paste, fully neutralised</li> <li>■ Single coat system</li> <li>■ High scratch resistance</li> </ul>												
<b>Technical / Physical Data</b>	<table border="1"> <tr> <td>■ Binder-Base</td> <td>Acrylic Resin</td> </tr> <tr> <td>■ Colour</td> <td>colourless</td> </tr> <tr> <td>■ Solid Mass <small>DIN EN ISO 3251</small></td> <td>53-57 %</td> </tr> <tr> <td>■ Density <small>calculated</small></td> <td>1,073 g/cm<sup>3</sup></td> </tr> <tr> <td>■ MEQ-Base-Value <small>DIN EN ISO 15880</small></td> <td>17-27</td> </tr> <tr> <td>■ Test layer thickness</td> <td>6-10 µm</td> </tr> </table>	■ Binder-Base	Acrylic Resin	■ Colour	colourless	■ Solid Mass <small>DIN EN ISO 3251</small>	53-57 %	■ Density <small>calculated</small>	1,073 g/cm <sup>3</sup>	■ MEQ-Base-Value <small>DIN EN ISO 15880</small>	17-27	■ Test layer thickness	6-10 µm
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<b>Mechanical Test</b>	<ul style="list-style-type: none"> <li>■ on aluminium / aluminium pressure casting</li> <li>■ Cross-cut-test <small>DIN EN ISO 2409</small></li> </ul>												
<b>Resistance Test</b>	<ul style="list-style-type: none"> <li>■ on aluminium / aluminium pressure casting</li> <li>■ Condensate constant climate <small>DIN EN ISO 6270-2 (CH)</small></li> <li>■ Salt spray test (NSS) <small>DIN EN ISO 9227</small></li> <li>■ Climate Change Test <small>DIN EN ISO 11997-1-B</small></li> <li>■ WOM-Test <small>DIN EN ISO 11341 Process 1A</small></li> </ul>												
<b>Processing and application</b> Dependent on plant and buildings	<ul style="list-style-type: none"> <li>■ <b>Pretreatment</b> The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue.</li> <li>■ Gloss value <small>DIN EN ISO 2813</small></li> <li>■ pH-Value</li> <li>■ Cundctance</li> <li>■ Solid Mass <small>DIN EN ISO 3251</small></li> <li>■ MEQ-Base-Value <small>DIN EN ISO 15880</small></li> <li>■ Bath Temperature</li> <li>■ Coating Time</li> <li>■ Deposition Voltage</li> </ul>												

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.



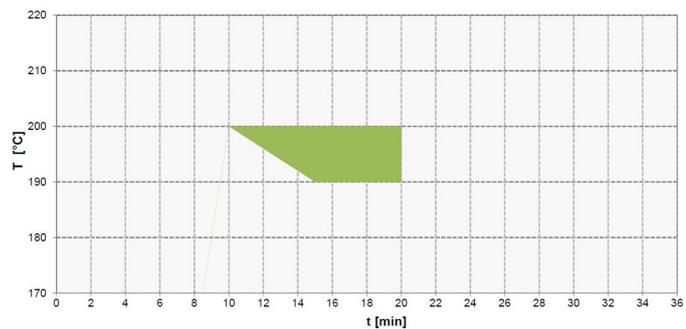
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■ **Health & Safety at Work guidelines**  
The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and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

**Curing**

■ **Object temperature**  
Recommended baking temperature 10 Min./200 °C  
green cross-hatching = baking conditions with good final properties

Objekt Temperatur   °C	190	190	200
Object Temperature   °C	190	190	200
Haltezeit Minimum   Minuten	20	15	10
Holding time minimum   Minutes	20	15	10
Haltezeit Maximum   Minuten	30	25	20
Holding time maximum   Minutes	30	25	20



**Resistance to storage**

■ **One Turn-Over per year**  
Approx. 12 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 and 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.