



**FREIOTHERM-ATL-EcoOne**  
WA4702HRU735

<b>Characteristics</b>	<ul style="list-style-type: none"> <li>■ Anodic electrocoat paint depositable 2K</li> <li>■ Application, e.g. in the functional furniture and storage technology sector</li> <li>■ Pigment paste, fully neutralised</li> <li>■ Primer and 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>light grey Based on the specified colour template (i.e. RAL)</td> </tr> <tr> <td>■ Solid Mass <small>DIN EN ISO 3251</small></td> <td>68-72 %</td> </tr> <tr> <td>■ Density <small>calculated</small></td> <td>1,48 g/cm<sup>3</sup></td> </tr> <tr> <td>■ MEQ-Base-Value <small>DIN EN ISO 15880</small></td> <td>20-25</td> </tr> <tr> <td>■ Viscosity</td> <td>3000-9000 mPa.s</td> </tr> <tr> <td>■ Test layer thickness</td> <td>30-35 µm</td> </tr> </table>	■ Binder-Base	Acrylic Resin	■ Colour	light grey Based on the specified colour template (i.e. RAL)	■ Solid Mass <small>DIN EN ISO 3251</small>	68-72 %	■ Density <small>calculated</small>	1,48 g/cm <sup>3</sup>	■ MEQ-Base-Value <small>DIN EN ISO 15880</small>	20-25	■ Viscosity	3000-9000 mPa.s	■ Test layer thickness	30-35 µm
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<b>Mechanical Test</b>	<ul style="list-style-type: none"> <li>■ on iron phosphating</li> <li>■ Cross-cut-test <small>DIN EN ISO 2409</small> Gt 0</li> </ul>														
<b>Resistance Test</b>	<ul style="list-style-type: none"> <li>■ on iron phosphating</li> <li>■ Condensate constant climate <small>DIN EN ISO 6270-2 (CH)</small> 504 hours water ingress Wb &lt;1 mm <small>DIN EN ISO 4628-8</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>■ Mixing ratio 1 : 1 WA4002:WA4702</li> <li>■ Gloss value <small>DIN EN ISO 2813</small> 25-35 geometry 60°</li> <li>■ pH-Value 8,1-8,7</li> <li>■ Conductance 1500-2000 µS/cm</li> <li>■ Solid Mass <small>DIN EN ISO 3251</small> 16-18 %</li> <li>■ Organic Solvent Content &lt;0,1 %</li> <li>■ Bath Temperature 24-27 °C</li> <li>■ Coating Time 60-180 seconds</li> <li>■ Deposition Voltage 100-450 voltage</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</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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**Curing**

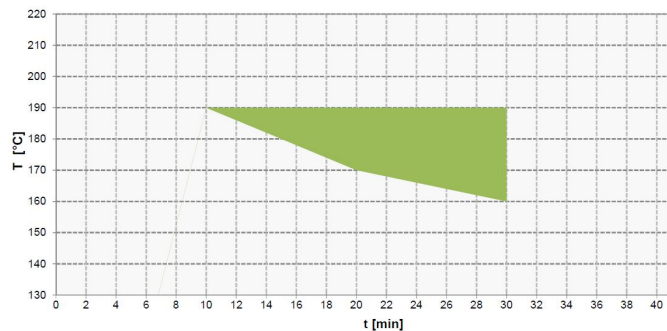
recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

■ **Object temperature**

Recommended baking temperature 20 Min./170 °C

green cross-hatching = baking conditions with good final properties

Objekt Temperatur   °C	160	170	180
Object Temperature   °C	160	170	180
Haltezeit Minimum   Minuten	30	20	10
Holding time minimum   Minutes	30	20	10
Haltezeit Maximum   Minuten	40	30	20
Holding time maximum   Minutes	40	30	20



**Resistance to storage**

■ **One Turn-Over per year**

Approx. 6 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 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.