



# FREIOTHERM-ATL-ClearTec

## WA4061GR999A

|   |   |  |
|---|---|--|
| <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>                                      | <ul style="list-style-type: none"> <li>■ Binder-Base Acrylic Resin</li> <li>■ Colour colourless</li> <li>■ Solid Mass 53-57 %<br/>DIN EN ISO 3251</li> <li>■ Density 1,073 g/cm³<br/>calculated</li> <li>■ MEQ-Base-Value 17-27<br/>DIN EN ISO 15880</li> <li>■ Test layer thickness 6-10 µm</li> </ul>   |  |
| <b>Mechanical Test</b>  | <ul style="list-style-type: none"> <li>■ on aluminium / aluminium pressure casting</li> <li>■ Cross-cut-test Gt 0<br/>DIN EN ISO 2409</li> </ul>  |  |
| <b>Resistance Test</b>  | <ul style="list-style-type: none"> <li>■ on aluminium / aluminium pressure casting</li> <li>■ Condensate constant climate 600 hours<br/>DIN EN ISO 6270-2 (CH) water ingress Wb &lt;1 mm<br/>DIN EN ISO 4628-8</li> <li>■ Salt spray test (NSS) 600 hours<br/>DIN EN ISO 9227 water ingress Wb &lt;1 mm<br/>DIN EN ISO 4628-8</li> <li>■ Climate Change Test 10 cycles<br/>DIN EN ISO 11997-1-B water ingress Wb &lt;1 mm<br/>DIN EN ISO 4628-8</li> <li>■ WOM-Test 1500 hours<br/>DIN EN ISO 11341 Process 1A</li> </ul>   |  |
| <b>Processing and application</b><br>Dependent on plant and buildings | <ul style="list-style-type: none"> <li>■ <b>Pretreatment</b><br/>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 &gt;100 geometry 60°<br/>DIN EN ISO 2813</li> <li>■ pH-Value 7,0-8,5</li> <li>■ Cunductance 500-1000 µS/cm</li> <li>■ Solid Mass 10-14 %<br/>DIN EN ISO 3251</li> <li>■ MEQ-Base-Value 13-20 mg/g<br/>DIN EN ISO 15880</li> <li>■ Bath Temperature 24-27 °C</li> <li>■ Coating Time 30-90 seconds</li> <li>■ Deposition Voltage 50-150 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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### Curing

#### Health & Safety at Work guidelines

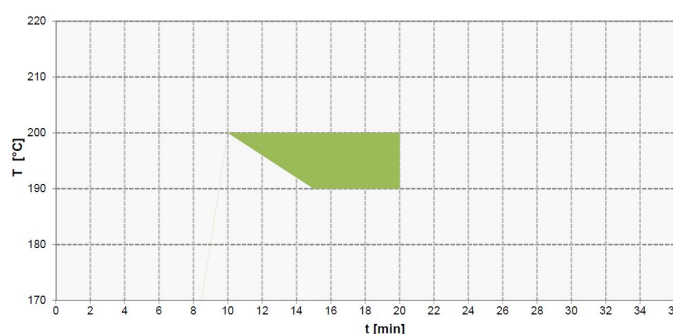
The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health & Safety at Work and environmental protection can be found in the corresponding safety data sheet.

#### 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.