



FREIOTHERM-ATL-First Filling

WA4970ERU905

Characteristics	<ul style="list-style-type: none"> ■ Anodic electrocoat paint depositable 1K ■ Application, e.g. in the vehicle construction sector ■ Subsequent paste filling, partly neutralised ■ Good corrosion protection 																						
Technical / Physical Data	<table border="1"> <tr> <td>■ Binder-Base</td> <td>Acrylic-Epoxy Resin</td> </tr> <tr> <td>■ Colour</td> <td>black Based on the specified colour template (i.e. RAL)</td> </tr> <tr> <td>■ Solid Mass DIN EN ISO 3251</td> <td>63-67 %</td> </tr> <tr> <td>■ Density calculated</td> <td>1,12 g/cm³</td> </tr> <tr> <td>■ MEQ-Base-Value DIN EN ISO 15880</td> <td>65-75</td> </tr> <tr> <td>■ Test layer thickness</td> <td>17-25 µm</td> </tr> </table>	■ Binder-Base	Acrylic-Epoxy Resin	■ Colour	black Based on the specified colour template (i.e. RAL)	■ Solid Mass DIN EN ISO 3251	63-67 %	■ Density calculated	1,12 g/cm ³	■ MEQ-Base-Value DIN EN ISO 15880	65-75	■ Test layer thickness	17-25 µm										
■ Binder-Base	Acrylic-Epoxy Resin																						
■ Colour	black Based on the specified colour template (i.e. RAL)																						
■ Solid Mass DIN EN ISO 3251	63-67 %																						
■ Density calculated	1,12 g/cm ³																						
■ MEQ-Base-Value DIN EN ISO 15880	65-75																						
■ Test layer thickness	17-25 µm																						
Mechanical Test	<table border="1"> <tr> <td>■ on zinc phosphate</td> <td></td> </tr> <tr> <td>■ Cross-cut-test DIN EN ISO 2409</td> <td>Gt 0</td> </tr> </table>	■ on zinc phosphate		■ Cross-cut-test DIN EN ISO 2409	Gt 0																		
■ on zinc phosphate																							
■ Cross-cut-test DIN EN ISO 2409	Gt 0																						
Resistance Test	<table border="1"> <tr> <td>■ on zinc phosphate</td> <td></td> </tr> <tr> <td>■ Salt spray test (NSS) DIN EN ISO 9227</td> <td>240 hours water ingress Wb <2 mm DIN EN ISO 4628-8</td> </tr> <tr> <td>■ Chemical resistance</td> <td>Needs to be checked. The temperature and concentration of chemicals have a major influence on the test outcome.</td> </tr> </table>	■ on zinc phosphate		■ Salt spray test (NSS) DIN EN ISO 9227	240 hours water ingress Wb <2 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.																
■ on zinc phosphate																							
■ Salt spray test (NSS) DIN EN ISO 9227	240 hours water ingress Wb <2 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	<table border="1"> <tr> <td>■ Pretreatment</td> <td>The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue. For more demanding requirements on corrosion inhibiting properties, we recommend suitable conversion processes (e.g. phosphatizing).</td> </tr> <tr> <td>■ Gloss value DIN EN ISO 2813</td> <td>40-60 geometry 60°</td> </tr> <tr> <td>■ pH-Value</td> <td>8,5-9,5</td> </tr> <tr> <td>■ Cundctance</td> <td>800-1600 µS/cm</td> </tr> <tr> <td>■ Solid Mass DIN EN ISO 3251</td> <td>13-15 %</td> </tr> <tr> <td>■ MEQ-Base-Value DIN EN ISO 15880</td> <td>65-75 mg/g</td> </tr> <tr> <td>■ Organic Solvent Content</td> <td>1,0-2,5 %</td> </tr> <tr> <td>■ Bath Temperature</td> <td>24-27 °C</td> </tr> <tr> <td>■ Coating Time</td> <td>120-240 seconds</td> </tr> <tr> <td>■ Deposition Voltage</td> <td>150-300 voltage</td> </tr> <tr> <td>■ Health & Safety at Work guidelines</td> <td></td> </tr> </table>	■ Pretreatment	The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue. For more demanding requirements on corrosion inhibiting properties, we recommend suitable conversion processes (e.g. phosphatizing).	■ Gloss value DIN EN ISO 2813	40-60 geometry 60°	■ pH-Value	8,5-9,5	■ Cundctance	800-1600 µS/cm	■ Solid Mass DIN EN ISO 3251	13-15 %	■ MEQ-Base-Value DIN EN ISO 15880	65-75 mg/g	■ Organic Solvent Content	1,0-2,5 %	■ Bath Temperature	24-27 °C	■ Coating Time	120-240 seconds	■ Deposition Voltage	150-300 voltage	■ Health & Safety at Work guidelines	
■ Pretreatment	The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue. For more demanding requirements on corrosion inhibiting properties, we recommend suitable conversion processes (e.g. phosphatizing).																						
■ Gloss value DIN EN ISO 2813	40-60 geometry 60°																						
■ pH-Value	8,5-9,5																						
■ Cundctance	800-1600 µS/cm																						
■ Solid Mass DIN EN ISO 3251	13-15 %																						
■ MEQ-Base-Value DIN EN ISO 15880	65-75 mg/g																						
■ Organic Solvent Content	1,0-2,5 %																						
■ Bath Temperature	24-27 °C																						
■ Coating Time	120-240 seconds																						
■ Deposition Voltage	150-300 voltage																						
■ Health & Safety at Work guidelines																							

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.

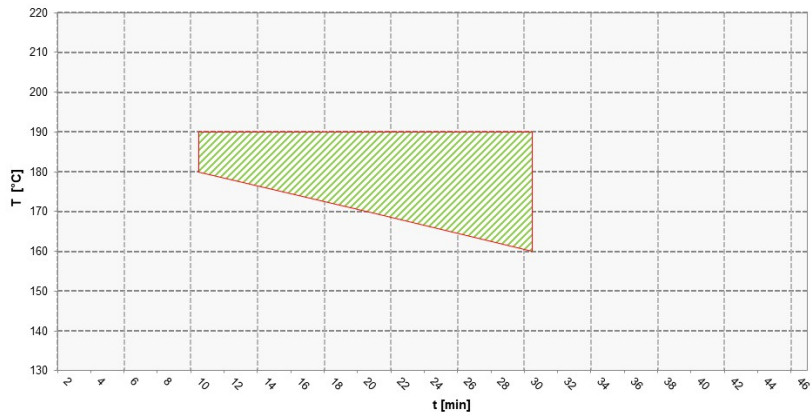


FREIOTHERM-ATL-First Filling
WA4970ERU905

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 20 Min./170 °C
 green cross-hatching = baking conditions with good final properties



Resistance to storage

- One Turn-Over per year
 Approx. 3 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.