



FREIOTHERM-ATL-CorrosionResist

WA4957HRU905

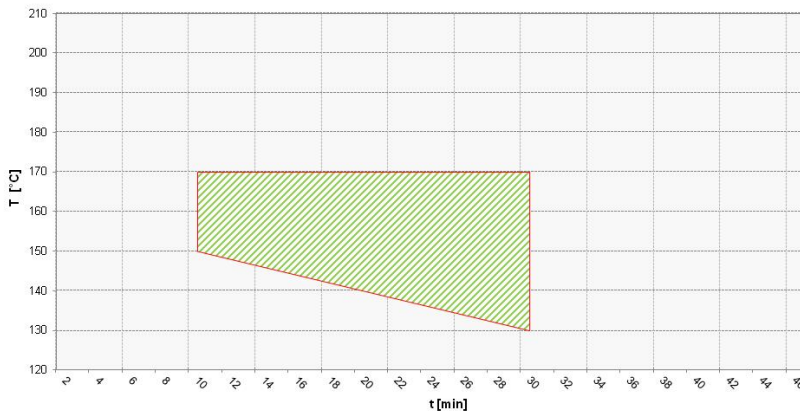
Characteristics	<ul style="list-style-type: none"> ■ Anodic electrocoat paint depositable 1K ■ Application, e.g. in the mechanical engineering and plant construction sector ■ Subsequent paste filling, partly neutralised ■ Good corrosion protection 	
Technical / Physical Data	<ul style="list-style-type: none"> ■ Binder-Base Acrylic-Epoxy Resin ■ Colour black Based on the specified colour template (i.e. RAL) ■ Solid Mass DIN EN ISO 3251 65-69 % ■ Density calculated 1,11 g/cm³ ■ MEQ-Base-Value DIN EN ISO 15880 53-60 ■ Viscosity 2500-6500 mPa.s ■ Test layer thickness 30-40 µm 	
Mechanical Test	<ul style="list-style-type: none"> ■ on iron phosphating ■ Cross-cut-test DIN EN ISO 2409 Gt 0 	
Resistance Test	<ul style="list-style-type: none"> ■ on iron phosphating ■ 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	<ul style="list-style-type: none"> ■ 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 ■ Conductance 1800-2200 µS/cm ■ Solid Mass DIN EN ISO 3251 16-18 % ■ MEQ-Base-Value DIN EN ISO 15880 65-80 mg/g ■ Organic Solvent Content 2,0-3,7 % ■ Bath Temperature 24-27 °C ■ Coating Time 120-240 seconds ■ Deposition Voltage 150-300 voltage 	

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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	<ul style="list-style-type: none"> ■ 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	<ul style="list-style-type: none"> ■ Object temperature Recommended baking temperature 20 Min./140 °C green cross-hatching = baking conditions with good final properties 
Resistance to storage	<ul style="list-style-type: none"> ■ 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	<ul style="list-style-type: none"> ■ 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.