



## WA4718HRU712 FREIOTHERM-ATL-Low-Solvent

### Product description

<b>Product technology</b>	anodic electrocoat paint depositable 2K	
<b>Application area</b>	Application, e.g. in the construction and sanitary sector	
<b>Application</b>	Primer	
<b>Type of paste</b>	Pigment paste, fully neutralised	

### General product properties

<b>Binder-Base</b>	Acrylic Resin	
<b>Colour</b>	Basalt grey	
<b>Viscosity</b>	5000-10000 mPa*s	
<b>MEQ-Base-Value</b>	25-32 mg/g	DIN EN ISO 15880
<b>Density</b>	1,2-1,3 g/cm <sup>3</sup>	theoretical
<b>Solid mass</b>	68-72 %	theoretical

### Application and processing

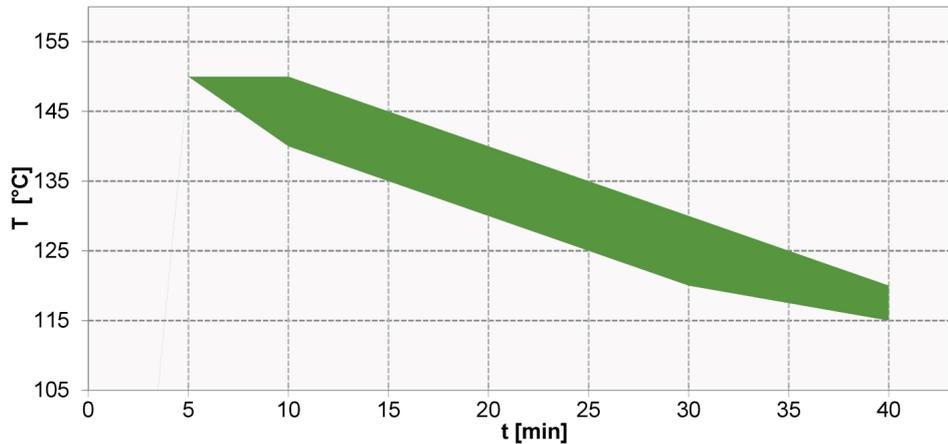
<b>Pretreatment</b>	The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, mill scale, wax and release agent residues. We recommend the use of suitable mechanical pre-treatment processes (e.g. blasting, grinding) or chemical pre-treatment processes (e.g. phosphating) according to the requirements.	
<b>Gloss value</b>	30-50 GU, Angle 60°	DIN EN ISO 2813
<b>Recommended coating thickness</b>	20-25 µm	
<b>pH-Value</b>	8,0-9,0	DIN 19260
<b>Cundctance</b>	900-1300 µS/cm	
<b>Solid mass</b>	11-13 %	DIN EN ISO 3251
<b>MEQ-Base-Value</b>	40-45 mg/g	DIN EN ISO 15880
<b>Organic Solvent Content</b>	0,8-2,0 %	
<b>Bath Temperature</b>	24-27 °C	
<b>Coating Time</b>	60-180 sec.	
<b>Deposition Voltage</b>	70-200 Volts	
<b>Turn-over</b>	1 Turnover per year To ensure bath stability and thus the coating quality, the specified turnover (solids exchange of the ETL tank) must be observed.	



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### Curing

Recommended object temperature 30 min / 120 °C



Objekt Temperatur in °C Object Temperature in °C	<b>120</b>	<b>130</b>	<b>140</b>
Haltezeit Minimum in Minuten Holding time minimum in minutes	<b>30</b>	<b>20</b>	<b>10</b>
Haltezeit Maximum in Minuten Holding time maximum in minutes	<b>40</b>	<b>30</b>	<b>20</b>

### Note on curing

Coloured area = stoving conditions with good end properties

The displayed baking conditions are based on results from laboratory tests and therefore merely serve as a guideline when configuring the processing company's coating systems. The processing company is responsible for ensuring that the coating is fully cured. The complete curing of the coating must be checked by means of additional analytical and resistance tests using representative original parts under production conditions. Please do not hesitate to contact us if you require consultation.

### Mechanical tests

<b>Test substrate</b>	on iron phosphating		
<b>Cross-cut-test</b>	Gt 0		DIN EN ISO 2409

### Climatic tests

<b>Test substrate</b>	on iron phosphating		
<b>Condensate constant climate</b>	Load duration	504 h	DIN EN ISO 6270-2 (CH)
	Detachment Cut	<1 mm	DIN EN ISO 4628-8

### Comments

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