Technical Data Sheet





WA4105HRU910 FREIOTHERM-ATL-Low-Solvent

Product description

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

General product properties

Binder-Base	Acrylic Resin		
Colour	Pure white		
MEQ-Base-Value	35-45 mg/g	DIN EN ISO 15880	
Density	1,2-1,4 g/cm³	theoretical	
Solid mass	68-72 %	theoretical	
Resistance to storage	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.		

Application and processing

Pretreatment	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.		
Gloss value	40-60 GU, Angle 60°	DIN EN ISO 2813	
Recommended coating thickness	18-22 μm		
pH-Value	8,2-8,8	DIN 19260	
Cunductance	1100-1800 µS/cm		
Solid mass	13-15 %	DIN EN ISO 3251	
MEQ-Base-Value	29-37 mg/g	DIN EN ISO 15880	
Organic Solvent Content	1,0-2,0 %		
Bath Temperature	24-27 °C		
Coating Time	60-180 sec.		
Deposition Voltage	110-250 Volts		

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, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS | DIN ISO 45001

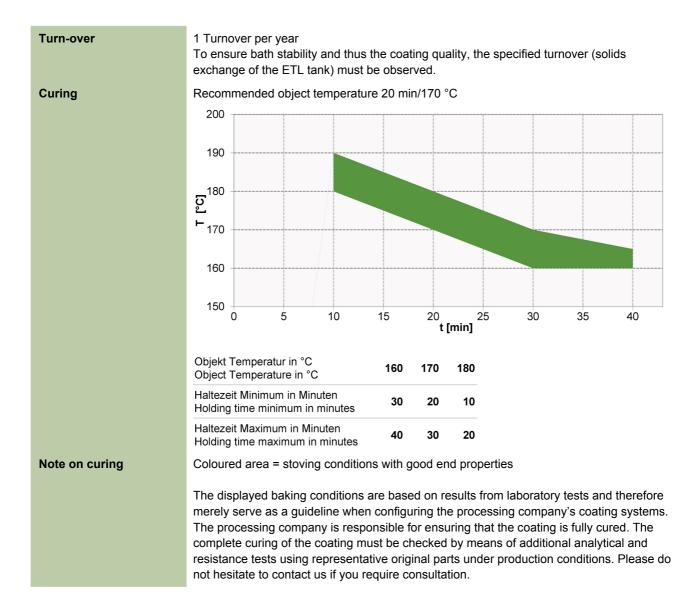
FreiLacke | Emil Frei GmbH & Co. KG

Technical Data Sheet





WA4105HRU910 FREIOTHERM-ATL-Low-Solvent



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, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS | DIN ISO 45001

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6 78199 Bräunlingen-Döggingen | Deutschland +49 77071510 www.freilacke.de | info@freilacke.de

Technical Data Sheet





WA4105HRU910 FREIOTHERM-ATL-Low-Solvent

Mechanical tests						
Test substrate	on aluminium /aluminium pressure casting					
Cross-cut-test	Gt 0		DIN EN ISO 2409			
Climatic tests						
Test substrate	on aluminium /aluminium pressure casting					
Condensate constant climate	Load duration Detachment Cut	504 h <1 mm	DIN EN ISO 6270-2 (CH) DIN EN ISO 4628-8			
Comments						
Work-and Healthprotection	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.					
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 specification.	here contains reference	values and does not constitute a			

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, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS | DIN ISO 45001

FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6 78199 Bräunlingen-Döggingen | Deutschland +49 77071510 www.freilacke.de | info@freilacke.de