



FREIOTHERM-KTL-Acrylate
WK4315HG1910

Characteristics	<ul style="list-style-type: none"> ■ Cathodic electrocoat paint depositable 2K ■ Application, e.g. in the vehicle construction sector ■ Pigment paste, fully neutralised ■ Primer and single coat system ■ Thick layer application ■ Very good light- and weather resistance 												
Technical / Physical Data	<table border="1"> <tr> <td>■ Binder-Base</td> <td>Acrylic Resin, modified</td> </tr> <tr> <td>■ Colour</td> <td>grimme red Based on the specified colour template (i.e. RAL)</td> </tr> <tr> <td>■ Solid Mass <small>DIN EN ISO 3251</small></td> <td>63-67 %</td> </tr> <tr> <td>■ Density <small>calculated</small></td> <td>1,18 g/cm³</td> </tr> <tr> <td>■ Viscosity</td> <td>2000-6000 mPa.s</td> </tr> <tr> <td>■ Test layer thickness</td> <td>40-50 µm</td> </tr> </table>	■ Binder-Base	Acrylic Resin, modified	■ Colour	grimme red Based on the specified colour template (i.e. RAL)	■ Solid Mass <small>DIN EN ISO 3251</small>	63-67 %	■ Density <small>calculated</small>	1,18 g/cm ³	■ Viscosity	2000-6000 mPa.s	■ Test layer thickness	40-50 µm
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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). ■ Mixing ratio: 2:1 												

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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	WK4046 : WK4315
■ Gloss value DIN EN ISO 2813	60-70 geometry 60°
■ pH-Value	4,5-5,5
■ Cundctance	1000-1600 µS/cm
■ Solid Mass DIN EN ISO 3251	14-18 %
■ Organic Solvent Content	5,5-6,5 %
■ Bath Temperature	32-34 °C
■ Coating Time	120-240 seconds
■ Deposition Voltage	200-350 voltage
■ 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

■ **Object temperature**
 Recommended baking temperature 20 Min./160 °C

green cross-hatching = baking conditions with good final properties

Resistance to storage

■ One Turn-Over per year

Approx. 9 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.
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further information.

The information provided here contains reference values and does not constitute a specification.