



FREIOTHERM-KTL-Automotive

WK4714HG2046

Characteristics	<ul style="list-style-type: none"> ■ Cathodic electrocoat paint depositable 2K ■ Application, e.g. in the mechanical engineering and plant construction sector ■ Pigment paste, fully neutralised ■ Primer ■ Good corrosion protection 												
Technical / Physical Data	<table border="1"> <tr> <td>■ Binder-Base</td> <td>Epoxy Resin, modified</td> </tr> <tr> <td>■ Colour</td> <td>grey 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>1,80 g/cm³</td> </tr> <tr> <td>■ MEQ/s-Value</td> <td>25-30 mmol/100g</td> </tr> <tr> <td>■ Test layer thickness</td> <td>15-25 µm</td> </tr> </table>	■ Binder-Base	Epoxy Resin, modified	■ Colour	grey Based on the specified colour template (i.e. RAL)	■ Solid Mass <small>DIN EN ISO 3251</small>	63-67 %	■ Density <small>calculated</small>	1,80 g/cm ³	■ MEQ/s-Value	25-30 mmol/100g	■ Test layer thickness	15-25 µm
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Mechanical Test	<ul style="list-style-type: none"> ■ on zinc phosphate ■ Cross-cut-test <small>DIN EN ISO 2409</small> 												
Resistance Test	<ul style="list-style-type: none"> ■ on zinc phosphate ■ Salt spray test (NSS) <small>DIN EN ISO 9227</small> 												
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 The mixing ratio is dependent on various factors and is therefore coordinated with the relevant system in cooperation with the application technology department. ■ Gloss value <small>DIN EN ISO 2813</small> ■ pH-Value ■ Conductance ■ Solid Mass <small>DIN EN ISO 3251</small> ■ MEQ/b-Value ■ Organic Solvent Content ■ Bath Temperature ■ Coating Time ■ Deposition 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.
<p>Curing</p>	<ul style="list-style-type: none"> ■ Object temperature Recommended baking temperature 20 Min./170 °C green cross-hatching = baking conditions with good final properties
<p>Resistance to storage</p>	<ul style="list-style-type: none"> ■ 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.
<p>Specific comments</p>	<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.