



# FREIOTHERM-KTL-Automotive

## WK4003HRU999

|                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                       |          |            |                                 |         |                         |                        |               |                 |
|-----------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----------------------|----------|------------|---------------------------------|---------|-------------------------|------------------------|---------------|-----------------|
| <b>Characteristics</b>                                                | <ul style="list-style-type: none"> <li>■ Cathodic electrocoat paint depositable 2K</li> <li>■ Application, e.g. in the mechanical engineering and plant construction sector</li> <li>■ Transparent paste, fully neutralised</li> </ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                       |          |            |                                 |         |                         |                        |               |                 |
| <b>Technical / Physical Data</b>                                      | <table> <tr> <td>■ Binder-Base</td><td>Epoxy Resin, modified</td></tr> <tr> <td>■ Colour</td><td>colourless</td></tr> <tr> <td>■ Solid Mass<br/>DIN EN ISO 3251</td><td>34-36 %</td></tr> <tr> <td>■ Density<br/>calculated</td><td>1,04 g/cm<sup>3</sup></td></tr> <tr> <td>■ MEQ/s-Value</td><td>26-34 mmol/100g</td></tr> </table>                                                                                                                                                                                                                                                                                                                                                                                            | ■ Binder-Base | Epoxy Resin, modified | ■ Colour | colourless | ■ Solid Mass<br>DIN EN ISO 3251 | 34-36 % | ■ Density<br>calculated | 1,04 g/cm <sup>3</sup> | ■ MEQ/s-Value | 26-34 mmol/100g |
| ■ Binder-Base                                                         | Epoxy Resin, modified                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |               |                       |          |            |                                 |         |                         |                        |               |                 |
| ■ Colour                                                              | colourless                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |               |                       |          |            |                                 |         |                         |                        |               |                 |
| ■ Solid Mass<br>DIN EN ISO 3251                                       | 34-36 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |               |                       |          |            |                                 |         |                         |                        |               |                 |
| ■ Density<br>calculated                                               | 1,04 g/cm <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |               |                       |          |            |                                 |         |                         |                        |               |                 |
| ■ MEQ/s-Value                                                         | 26-34 mmol/100g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |               |                       |          |            |                                 |         |                         |                        |               |                 |
| <b>Processing and application</b><br>Dependent on plant and buildings | <ul style="list-style-type: none"> <li>■ <b>Pretreatment</b><br/>The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, rolling skin, wax and separating agent residue.<br/>For more demanding requirements on corrosion inhibiting properties, we recommend suitable conversion processes (e.g. phosphatizing).</li> <li>■ <b>Health &amp; Safety at Work guidelines</b><br/>The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health &amp; Safety at Work and environmental protection can be found in the corresponding safety data sheet.</li> </ul> |               |                       |          |            |                                 |         |                         |                        |               |                 |
| <b>Resistance to storage</b>                                          | <ul style="list-style-type: none"> <li>■ One Turn-Over per year</li> </ul> <p>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.</p> <p>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>                                                                                                                                                  |               |                       |          |            |                                 |         |                         |                        |               |                 |
| <b>Specific comments</b>                                              | <ul style="list-style-type: none"> <li>■ <b>Test conditions</b><br/>All information is based on a standard climate 23/50 DIN EN 23270.<br/>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.<br/>The information provided here contains reference values and does not constitute a specification.</li> </ul>                                                                                                                                                                                                                                                                                |               |                       |          |            |                                 |         |                         |                        |               |                 |