



# FREIOTHERM-KTL-Acrylate

## WK4069MRU999

<b>Characteristics</b>	<ul style="list-style-type: none"> <li>■ Cathodic electrocoat paint depositable 1K</li> <li>■ Application, e.g. in the job coater sector</li> <li>■ Transparent paste, fully neutralised</li> <li>■ Single coat system</li> <li>■ Very good light- and weather resistance</li> <li>■ High scratch resistance</li> </ul>	
<b>Technical / Physical Data</b>	<ul style="list-style-type: none"> <li>■ Binder-Base Acrylic Resin, modified</li> <li>■ Colour colourless</li> <li>■ Solid Mass DIN EN ISO 3251 59-63 %</li> <li>■ Density calculated 1,05 g/cm<sup>3</sup></li> <li>■ Viscosity 3000-7000 mPa.s</li> <li>■ Test layer thickness 12-16 µm</li> </ul>	
<b>Mechanical Test</b>	<ul style="list-style-type: none"> <li>■ on aluminium / aluminium pressure casting</li> <li>■ Cross-cut-test DIN EN ISO 2409 Gt 0</li> <li>■ Buchholz penetration test DIN EN ISO 2815 0,8 mm</li> <li>■ Pencil Hardness acc. Wolff-Wilborn ISO 15184 4H</li> </ul>	
<b>Resistance Test</b>	<ul style="list-style-type: none"> <li>■ on aluminium / aluminium pressure casting</li> <li>■ Condensate constant climate DIN EN ISO 6270-2 (CH) 1008 hours water ingress Wb &lt;0,5 mm DIN EN ISO 4628-8</li> <li>■ Salt spray test (NSS) DIN EN ISO 9227 1008 hours water ingress Wb &lt;1 mm DIN EN ISO 4628-8</li> <li>■ QUV/B-313-Test DIN EN ISO 11507 postup 1A 504 hours</li> <li>■ WOM-Test DIN EN ISO 11341 Process 1A 504 hours</li> <li>■ Chemical resistance Needs to be checked. The temperature and concentration of chemicals have a major influence on the test outcome.</li> </ul>	
<b>Processing and application</b> Dependent on plant and buildings	<ul style="list-style-type: none"> <li>■ <b>Pretreatment</b> 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).</li> <li>■ Gloss value DIN EN ISO 2813 5-15 geometry 60°</li> <li>■ pH-Value 4,3-4,8</li> </ul>	

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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	■ Conductance	900-1400 $\mu\text{S}/\text{cm}$
	■ Solid Mass DIN EN ISO 3251	18-20 %
	■ Organic Solvent Content	1-5 %
	■ Bath Temperature	32-34 °C
	■ Coating Time	15-60 seconds
	■ Deposition Voltage	30-100 voltage
	<b>■ Health &amp; Safety at Work guidelines</b> 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.	
<b>Curing</b>	<b>■ Object temperature</b> Recommended baking temperature 20 Min./160 °C  green cross-hatching = baking conditions with good final properties	
<b>Resistance to storage</b>	<b>■ One Turn-Over per year</b>  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.	
<b>Specific comments</b>	<b>■ Test conditions</b> 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.	