



FREIOTHERM-KTL-Acrylate

WK4030GRU999

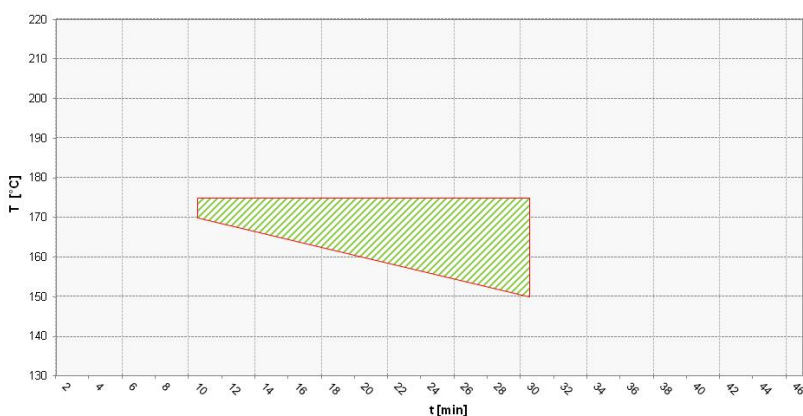
Characteristics	■ Cathodic electrocoat paint depositable 1K ■ Application, e.g. in the job coater sector ■ Transparent paste, fully neutralised ■ Single coat system ■ Very good light- and weather resistance ■ High scratch resistance	
Technical / Physical Data	■ Binder-Base Acrylic Resin, modified ■ Colour colourless ■ Solid Mass 49-53 % DIN EN ISO 3251 ■ Density 1,02 g/cm³ calculated ■ Viscosity 250-500 mPa.s ■ Test layer thickness 12-16 µm	
Mechanical Test	■ on aluminium / aluminium pressure casting ■ Cross-cut-test Gt 0 DIN EN ISO 2409 ■ Buchholz penetration test 0,8 mm DIN EN ISO 2815 ■ Pencil Hardness acc. Wolff-Wilborn 4H ISO 15184	
Resistance Test	■ on aluminium / aluminium pressure casting ■ Condensate constant climate 1008 hours DIN EN ISO 6270-2 (CH) water ingress Wb <0,5 mm DIN EN ISO 4628-8 ■ Salt spray test (NSS) 1008 hours DIN EN ISO 9227 water ingress Wb <1 mm DIN EN ISO 4628-8 ■ QUV/B-313-Test 504 hours DIN EN ISO 11507 postup 1A ■ WOM-Test 504 hours DIN EN ISO 11341 Process 1A ■ Chemical resistance Needs to be checked. The temperature and concentration of chemicals have a major influence on the test outcome.	
Processing and application Dependent on plant and buildings	■ 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). ■ Gloss value 90-140 geometry 60° DIN EN ISO 2813 ■ pH-Value 4,3-4,8	

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
	■ 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. 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.	