



FREIOTHERM-KTL-Acrylate

WK4511HRU515

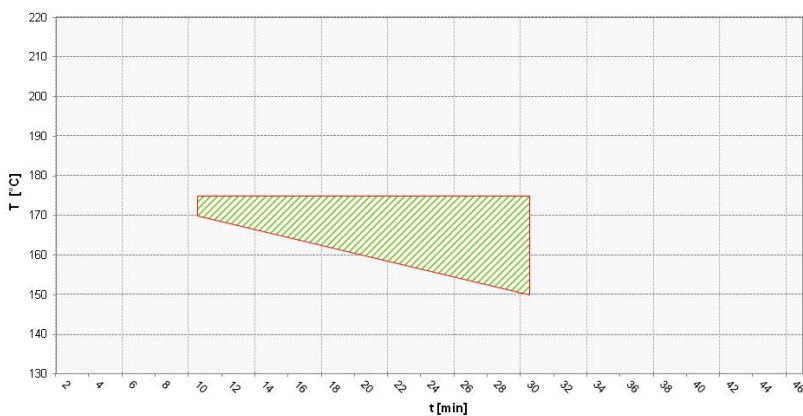
Characteristics	■ Cathodic electrocoat paint depositable 2K ■ Application, e.g. in the vehicle construction sector ■ Pigment paste, fully neutralised ■ Primer and single coat system ■ Thick layer application ■ Very good light- and weather resistance	
Technical / Physical Data	■ Binder-Base Acrylic Resin, modified ■ Colour sky blue Based on the specified colour template (i.e. RAL) ■ Solid Mass 63-67 % DIN EN ISO 3251 ■ Density 1,28 g/cm³ calculated ■ Viscosity 3500-7500 mPa.s ■ Test layer thickness 45-55 µm	
Mechanical Test	■ on zinc phosphate ■ Cross-cut-test Gt 0 DIN EN ISO 2409 ■ Erichsen index 6 mm DIN EN ISO 1520 ■ Mandrel bending test cylindrical 8 mm DIN EN ISO 1519 ■ Stone chipping test Sensitivity 2,5 DIN EN ISO 20567-1	
Resistance Test	■ on zinc phosphate ■ Condensate constant climate 504 hours DIN EN ISO 6270-2 (CH) water ingress Wb <0,5 mm DIN EN ISO 4628-8 ■ Salt spray test (NSS) 480 hours DIN EN ISO 9227 water ingress Wb <2 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). ■ Mixing ratio 1:1	

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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	WK4044 : WK4511	
	■ Gloss value DIN EN ISO 2813	60-70 geometry 60°
	■ pH-Value	4,5-5,5
	■ Cunductance	1000-1400 µS/cm
	■ Solid Mass DIN EN ISO 3251	16-18 %
	■ 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 guidlines 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 an experience. We have no direct influence on the application itself. Please do not hesitate to contact us for	



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further information.

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