



WK4731HRU731 FREIOTHERM-KTL-Acrylate

Product description

Product technology	cathodic electrocoat paint depositable 2K
Application area	e.g. in the mechanical engineering and plant construction sector
Application	Primer and single coat system
Property	Thick layer application
Type of paste	Pigment paste, fully neutralised
Resistance to light and weather	very good

General product properties

Binder-Base	Acrylic Resin, modified
Viscosity	2000-6000 mPa*s
Density	1,3-1,5 g/cm ³ theoretical
Solid mass	67-71 % theoretical
Resistance to storage	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.

Application and processing

Pretreatment	The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, mill scale, wax and release agent residues. We recommend the use of suitable mechanical pre-treatment processes (e.g. blasting, grinding) or chemical pre-treatment processes (e.g. phosphating) according to the requirements.
Gloss value	45-60 GU, Angle 60° DIN EN ISO 2813
Mixin ratio	Products WK4011 : WK4731 Parts by weight 2:1
Recommended coating thickness	25-30 µm
pH-Value	4,5-5,5 DIN 19260
Cunductance	1200-1800 µS/cm
Solid mass	15-18 % DIN EN ISO 3251
Organic Solvent Content	1,0-3,0 %
Bath Temperature	32-34 °C
Coating Time	120-240 sec.

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, delivery and payment.

DIN EN ISO 9001 | IATF 16949 | EMAS

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Deposition Voltage

200-350 Volts

Turn-over

1 Turnover per year

To ensure bath stability and thus the coating quality, the specified turnover (solids exchange of the tank) must be observed.

Chemical resistance

Test substrate

on zinc phosphate

Influencing factors

The chemical resistance depends on the concentration, temperature, exposure time and test method. This has to be checked depending on the application.

Comments

Work-and Healthprotection

The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health and Safety at Work and environmental protection can be found in the corresponding safety data sheet.

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.