FreiLacke

FREIOTHERM-KTL-Acrylate
WK4195HRU916

Characteristics

- Cathodic electrocoat paint depositable 1K
- Application, e.g. in the construction and sanitary sector
- Pigment paste, fully neutralised
- Primer and single coat system
- Very good light- and weather resistance

Technical / Physical Data

Binder-Base	Acrylic Resin, modified
Colour	traffic white Based on the specified colour template (i.e. RAL)
Solid Mass DIN EN ISO 3251	68-70 %
Density calculated	1,25 g/cm³
MEQ/s-Value	24-29 mmol/100g
Viscosity	3000-7000 mPa.s
Test layer thickness	16-20 µm

Mechanical Test

on iron phosphating	
Cross-cut-test DIN EN ISO 2409	Gt 0

Resistance Test

on iron phosphating	
Condensate constant climate DIN EN ISO 6270-2 (CH)	504 hours water ingress Wb <0,5 mm DIN EN ISO 4628-8
Salt spray test (NSS) DIN EN ISO 9227	192 hours water ingress Wb <3 mm DIN EN ISO 4628-8

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 DIN EN ISO 2813	65-85 geometry 60°
pH-Value	4,7-5,3
Cunductance	600-1100 µS/cm
Solid Mass DIN EN ISO 3251	11-13 %
Organic Solvent Content	2-6 %
Bath Temperature	30-32 °C
Coating Time	120-240 seconds
Deposition Voltage	100-260 voltage

- **Health & Safety at Work guidlines**

DIN EN ISO 9001
IATF 16949
EMAS

Emil Frei GmbH & Co. KG
Döggingen
Am Bahnhof 6
78199 Bräunlingen | GERMANY
Phone +49 [0] 7707.151-0
Fax +49 [0] 7707.151-238
www.freilacke.de
info@freilacke.de

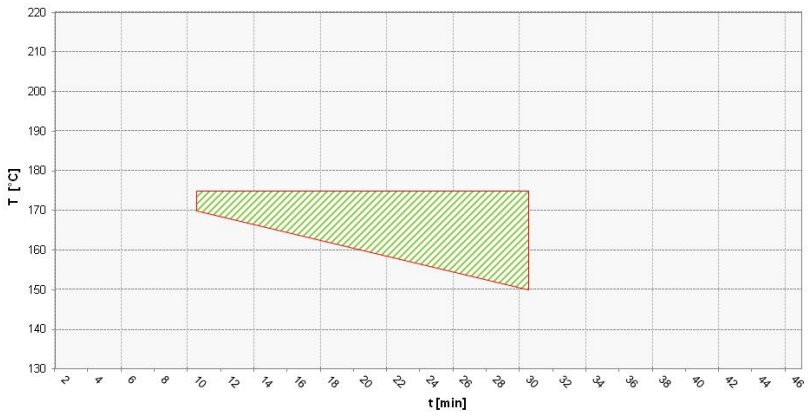
FREIOTHERM-KTL-Acrylate
WK4195HRU916

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

DIN EN ISO 9001
IATF 16949
EMAS

Emil Frei GmbH & Co. KG
Döggingen
Am Bahnhof 6
78199 Bräunlingen | GERMANY
Phone +49 [0] 7707.151-0
Fax +49 [0] 7707.151-238
www.freilacke.de
info@freilacke.de