



KERATHERM® Bond 100 RT

KERATHERM® Thermal Adhesives

Applications

- ◆ CPU
- ◆ LED
- ◆ BGA
- ◆ Heat sinks

Benefits

- ◆ High bond strength
- ◆ Room temperature curing
- ◆ Thixotropic and filling surface structures

Processing Instructions:

- ◆ All surfaces should be even and free from oil, grease or dust. Clean surface with a solvent (e.g. acetone, thinner, etc.).
- ◆ Screw emulsion tube onto the cartridge.
- ◆ Squeeze adhesive out of the emulsion tube (in a strand of ca. 3 cm), until the adhesive emitted is of consistent light brown color. Adhesive that is not of consistent color will not bind and is thus to be disposed of.
- ◆ Evenly spread the adhesive on one of the surfaces to be bonded.
- ◆ Bond the components.
- ◆ Briefly press the components onto each other and avoid moving them for the next 30 minutes. If bonded at an angle or over-head, please secure the components.
- ◆ The initial hardness is achieved after 15 minutes, final hardness is achieved after 4 hours.

✓ Safety information:

Classification as per Regulation (EC) 1272/2008 (CLP): none

Properties	Unit	100 RT
Colour		brown
Mixing ratio		1 : 1
Curing	T [°C]	20 min RT
Thermal conductivity λ^*	W/mK	1.5
Thermal resistance R_{th}	K/W	1.66
Hardness	Shore A	20 - 35
Tensile shear strength	MPa	> 15
Dielectric breakdown	kV/mm	12
Density	g/cm ³	2.1
Viscosity**	Pas	20 - 40
Application temperature	°C	-40 to +180

* Measured @ thickness 1 mm

** Shear rate 4s⁻¹ / 25°C

Packing units:

- ◆ Syringe: 5 ml
- ◆ Double cartridge: 50 ml & 400 ml
- ◆ Hobcock set with 34,5 kg per component

Special packing on request!

Data for engineer guidance only.
Observed performance varies in application.
Engineers are reminded to test the material in application.

NOTE:

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. KERAFOL® is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. All specifications are subject to change without notice. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded. In case KERAFOL® would be nevertheless held liable, on whatever legal ground, KERAFOL®'s liability will in no event exceed the amount of the concerned delivery. All KERAFOL® products are sold pursuant to the KERAFOL®'s Terms and Conditions of sale and delivery in effect from time to time, a copy of which will be furnished upon request.

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