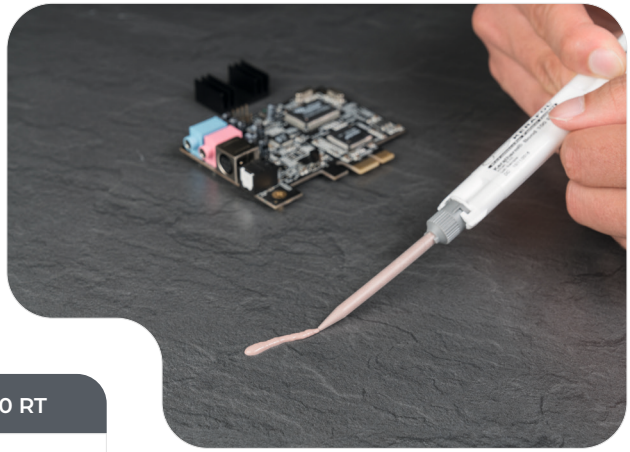
KERATHERM® Bond 100 RT

KERATHERM® Thermal Adhesives



Benefits

- High bond strength
- Room temperature curing
- Thixothropic and filling surface structures
- Very soft to compensate mechanical impacts like vibrations

Properties	Unit	100 RT
Colour		brown
Mixing ratio		1:1
Curing	°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 voltage $U_{d;\,AC}$**	kV	6.0
Density	g/cm³	2.1
Viscosity***	Pas	40 - 70
Application temperature	°C	-40 to +180

* Measured @ thickness 1 mm ** Measured @ thickness 0.5 mm *** Shear rate $4.6s^{-1}$ / 25°C

Packing units:

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

Special packing on request!

Application Notes

- 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 colour. Adhesive that is not of consistent colour 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 overhead, please secure the components.
- The initial hardness is achieved after 15 minutes, final hardness is achieved after four hours.

Note

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The specifications provided in this data sheet do not constitute a guarantee or warranty of specific product properties („quality guarantee“). These specifications are derived from our standardized testing procedures conducted under controlled laboratory conditions and are intended to describe the typical properties of the products as expected under standard applications. Variations may occur depending on the specific application. Accordingly, it is the responsibility of the customer to test and evaluate the products for their intended use, and adjustments to the application may be required.

The customer assumes full responsibility for the safety and functionality of their applications in which these products are integrated. Appropriate safety measures must be implemented to prevent bodily injury, fire, or other damages resulting from product defects. The customer is also responsible for ensuring that the design of their application complies with all applicable laws, regulations, codes, and standards.
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