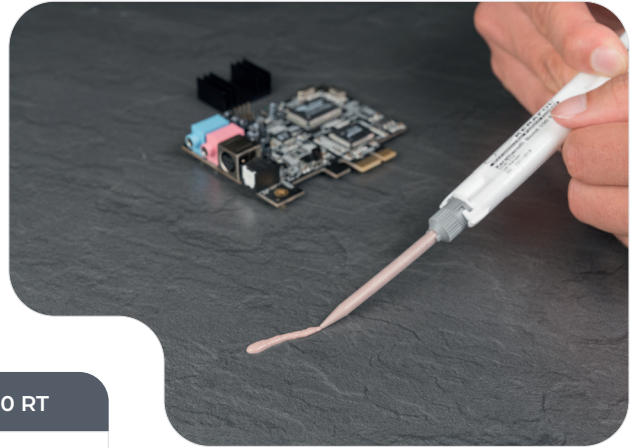


KERATHERM[®] Bond 100 RT

KERATHERM[®] Thermal Adhesives

Benefits

- High bond strength
- Room temperature curing
- Thixotropic 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
Lap shear strength****	MPa	>15
Dielectric breakdown voltage $U_{d,AC}^{**}$	kV	6.0
Density	g/cm ³	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
 **** Surface 25x25mm | 0,5mm thickness | (Alu / Alu)

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.