

# Product features WK800- A-10ml

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Material

anaerobic-non toxic



# Further information

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Adhesive or dissipator as syringe WK 800 attaches heat sinks to components and parts. It also allows parts and components to adhere securely to vertical surfaces, as well as to metal housing surfaces and side panels without the need for clips, screws or other mechanical fastening. Typical applications include the bonding of transformers, transistors, microprocessors and other heat other heat-emitting components on printed circuit boards or coolers. WK 800 is particularly suitable for attaching LED chips to the heat sink. Max. Adhesive gap: 0.25 mm Shear strength: 5.5 N/mm<sup>2</sup> Tensile strength: 15.2 N/mm<sup>2</sup> Coefficient of thermal expansion: 110 ppm/K Thermal conductivity: 0.76 W/mK Dielectric strength: 26.78 kV/mm Flammability: V-0 Processing temperature: 20-28 °C Operating temperature: -55 - +150 °C Storage temperature: 8 - 28 °C Shelf life at 22 °C: min 3 years The half-life after opening is 1 year WK 800 has many advantages over traditional adhesives such as thermal hot melt or epoxy adhesives. It guarantees a long-lasting application while reliably maintaining the thermal and technical properties. The adhesive is easy to process and therefore significantly reduces costs in production and repair times in service. Surfaces wetted with WK 800 adhesive or activator can rest almost indefinitely without the properties of the bonded joint deteriorating. properties of the bonded joint deteriorate.

**APPLICATION INSTRUCTIONS:** Recommended aids: Cotton cloth, non-fibrous, cleaning agent [e.g. Toluene, isopropyl alcohol] Please observe safety regulations for solvents. Wear rubber gloves for prolonged work! Yield: 1ml WK800-D = 100cm<sup>2</sup> / with 0.1mm application 1ml WK800-A = 200cm<sup>2</sup> / for 0.1mm application WK800-D Rule of thumb: Adhesive quantity per 1 cm<sup>2</sup> = 1cm \* 1cm \* 0.01cm = 0.01 cm<sup>3</sup> corresponds to 0.01ml The smallest tube of WK800-D (4ml) is sufficient for approx. 400 bonded areas of 1cm<sup>2</sup> with an assumed adhesive thickness of 0.1mm. WK800-A One 10ml bottle (equivalent to 10 cm<sup>3</sup>) is sufficient for approx. 2000 bondings. 1 bottle of activator (10ml) is sufficient for approx. 5 tubes of dissipator (4ml each). The yield of the activator is therefore at least 2 times higher than that of the adhesive itself. As soon as 0.2mm rather than 0.1mm is applied, the quantity is halved accordingly.

