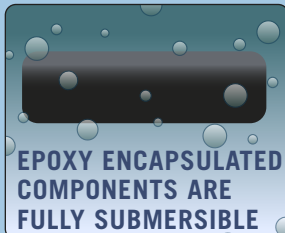


2

Epoxy



Epoxies are two part encapsulating compounds. They are mixed and then poured onto the circuit board. Once cured, the result is extremely hard and durable. Epoxy is most effective when board is cover with at least ¼ inch in thickness.

Epoxies provide excellent protection against impact, shock, conductivity, moisture, abuse, chemicals, and analysis. Provides technology security. Excellent for explosion proof components. Epoxies are extremely difficult to remove.



TYPES OF EPOXY

Black Epoxy (Mfg. Part No. 832B)

- ▶ Black in color
- ▶ General use
- ▶ Secure against technology theft

Clear Epoxy (Mfg. Part No. 832C)

- ▶ Amber in color
- ▶ Allows visual of board after cure

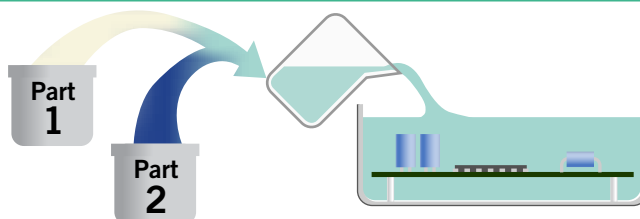
Thermally Conductive (Mfg. Part No. 832TC)

- ▶ Black in color
- ▶ Used to encapsulate boards with components that give off heat. Enables heat dissipation.

Flame Retardant Epoxy (Mfg. Part No. 832FRB)

- ▶ Black in color
- ▶ Used in environments where PCB may be subject to possible fire hazards

Potting and encapsulating with Epoxies and RTV Silicones

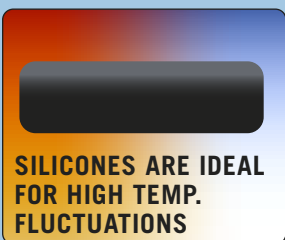


Application Instructions

Mix parts 1 and 2 of the RTV Silicone or epoxy in a separate container according to the product's mix ratio. Pour the mixed 2-part encapsulant into the enclosure, fully covering your circuitboard. Cure time will vary from product to product, please see product pages on website for details.

3

RTV Silicone



RTV Silicones are Room Temperature Vulcanizing Silicones. Generally, 2-part flowable silicones are used for encapsulating. They are used in the same fashion as epoxies but is able to be removed when repairs have to be done later. RTV Silicones are ideal for environments exhibiting high temperature fluctuation.



TYPES OF RTV SILICONE

- ▶ General Use
- ▶ Optically Clear
- ▶ Thermally Conductive
- ▶ Extreme High Temperature
- ▶ Extreme Low Temperature
- ▶ Flame Retardant

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