



What the Etc. stands for in Epoxies Etc.

Have ever you ever wondered what the ***Etc.*** stands for in Epoxies Etc.? In addition to our extensive line of formulated epoxy products, we offer a wide range of urethane and silicone polymer products as well. See below for a description of the key reasons for using each of these chemistries and for a description of the product offerings.

Epoxies provide tamper proof protection, excellent polymer strength, durability and adhesion to a wide variety of substrates. Epoxies provide very good chemical resistance and dimensional stability. They have a relatively low thermal expansion coefficient while providing high dielectric strength and electrical insulation. Epoxies can also perform well during thermal cycling (-40 °C – 155 °C). We have numerous, specially formulated epoxy systems for use in a wide variety of applications. General potting & casting, fast cure adhesives, low viscosity, clear, thermally conductive and lightweight products are available.

Urethanes provide flexibility, toughness and excellent water resistance. They are used where the flexibility of a silicone is desired but high temp resistance is not required. Urethane polymers are an excellent choice for potting electronics where low stress on the components is desired. We offer clear doming products, thermally conductive UL rated products, blown and syntactic foams and unfilled low viscosity products.

Silicones are environmentally friendly and offer increased flexibility over epoxies and urethanes. Silicones offer a wide range of temperature performance (-60 °C - >200 °C). They impart low stress on delicate electronics and in some cases they are repairable. The polymer can be removed and repotted if an electronic repair is required. We offer a wide variety of products from clear gels to thermally conductive greases. Light weight syntactic foams are also available.

TriggerBond® - We also specialize in the specialty packaging of our polymer products into easy to use packages. TriggerBond® consists of a dual cartridge dispenser system with a static mixer so there is no hand weighing or messy mixing and cleanup. Product waste is minimized by the use of TriggerBond®. Pull the trigger and place the product where you need it. The TriggerBond® system minimizes employee contact with the un-cured product.



A guide to choosing product chemistry:

Properties	Epoxy	Urethane	Silicone
Adhesion to various substrates	Best	Better	Good
High temp performance	Better	Good	Best
Chemical resistance	Best	Better	Good
Low Temp performance	Better	Good	Best
Low CTE	Best	Better	Good
Flexibility & low stress	Good	Better	Best
Easy to Degas	Better	Good	Best
Low Ionic content	Good	Better	Best
Easy to use	Better	Good	Best
Non yellowing	Good	Better	Best

Please contact us for assistance in choosing the right product for your application or complete the Product Selection Form.

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