



## LIQUID ADHESIVES FOR INDUSTRIAL APPLICATIONS

### Anaerobic Adhesives and Sealants

With active metal ions present and no oxygen, anaerobic adhesives and sealants rapidly cure to form a tough cross-linked plastic that will bond quite well to many metals.

There are 4 basic types of applications for anaerobic adhesives & sealants:

- **Retaining** – bonding and sealing cylindrical joints
- **Threadlocking** – bonding and sealing threaded metal fasteners
- **Thread sealing** – bonding and sealing threaded pipes and fittings
- **FIP Form in place gasketing** – creating on part gaskets



**Cure mechanism:** single part, cures in the presence of metal and absence of oxygen.



### Cyanoacrylate/Instant Adhesives

Instant adhesives are one-part, room-temperature curing adhesives available in a wide range of viscosities. They are typically used for high-performance bonding of numerous materials in just seconds – rubber, polystyrene, wood, metal and even the latest generation plastics.

**Cure mechanism:** single part moisture cure

### Structural Epoxies (1 & 2 Part)

Upon cure, epoxies form tough, rigid thermoset polymers with high adhesion to a wide variety of substrates and superior environmental resistance. They are used in place of, or in addition to, mechanical fastenings to many industries.

**Cure mechanism:** High temperature heat cure for 1 part & 2 part can be cured ambient or heated



### Structural Adhesives

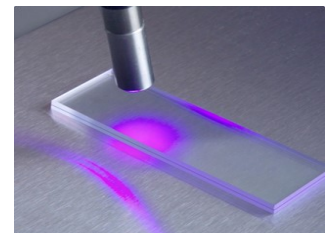
Structural adhesives are defined as adhesives which can support a structural load when fully cured. They also provide impact and vibration resistance, high upper temperature limits and durable bonds in harsh environments.

**Cure mechanism:** No-mix adhesive with initiator, bead-on-bead resin & hardener, 2-part pre-mix with nozzles and single-part products available.

### UV Curing Adhesives

UV cure adhesive products are used in the production of glassware, glass furniture, acrylic glass, and for the optical industry and medical technology field. UV adhesives are preferred by manufacturers for their high transparency and exceptional stability, even in difficult environmental conditions such as humidity and sunlight.

**Cure mechanism:** Single part, UV light. Dual cure using anaerobic UV or moisture cure UV.



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