Permabond 2-part epoxy adhesives are suitable for bonding a wide variety of materials. Available with a range of different cure speeds to suit, Permabond epoxies have been developed to offer a high standard of performance for demanding bonding applications.

Substrates
Permabond 2-part epoxy adhesives will bond most engineering materials. They form excellent structural bonds to a wide variety of materials including metals, composites, wood and even some plastics.

Durability
Their excellent chemical and water resistance makes them suitable for harsh environmental conditions. These epoxies are an excellent choice for high-strength structural bonding.

Applications
Epoxies are widely used in the marine, automotive, aerospace, appliance, general assembly and construction industries. Applications are diverse and include bonding handles onto tools, aerospace structures, kitchen counter tops, motor housings and mounting brackets.

Material selection
The high strength durable bonds formed with a vast array of substrates increases the designer's ability to choose the best substrates for the application.

Process
These 1:1 mix epoxies can be easily dispensed with a static mixing nozzle. No measuring or hand mixing is needed. Heat cure is not needed as the adhesives will cure at room temperature. For cure times faster than those stated on the chart on the back page, heat can be used to increase the speed of cure.

Joint design
The high shear and peel strength of the bonds, coupled with the increased stress distribution of adhesives, greatly expands joint design possibilities.

Some benefits of these epoxies include:
- High peel strength increases design versatility
- 1:1 mix ratio reduces equipment costs
- Durability increases material choices
- Rapid cure increases production rates
- Solvent free improves workplace safety
- Room temperature cure reduces equipment & energy costs
- Low odor improves workplace environment