

ThreeBond 1786

Cyanoacrylate Instant Adhesive

ThreeBond **1786** is a solvent free cyanoacrylate instant adhesive. It cures instantly at room temperature after assembly. A very small quantity is enough to provide high shear strength on a wide variety of materials.

1. Features

- Cyanoacrylate Ethyl
- One component solvent free
- Moisture curing
- Service temperature : -40 / +100°C

2. Properties

Before curing

Test	Results	Units
Colour	Transparent	-
Viscosity at 25°C	70	mPa.s
Specific gravity at 25°C	1.07	-
Setting time - NBR	10	s

Shear strength

Materials	Set time (s)	Shear strength (MPa)
Steel		13
Hemlock	10	12.0*
Beech	15	12.9°
Cypress	20	12.5
Japanese Cedar	30	7.8*
Oak	50	11.6°
Silver Magnolia	40	8.9*
Douglas Fir	50	9.3*
Birch	60	13.1*
Lauan Philippine Mahogany	360	9.4*
Jap. Cedar / Steel	12 - 15	16.0°
Jap. Cedar / ABS	15 - 20	18.8°

Materials	Set time (s)	Shear strength (MPa)
Jap. Cedar / Acrylic	18 - 20	18.0*
Jap. Cedar / PVC	35 - 40	10.3*
Jap. Cedar / Polystyrene	20 - 25	10.9*
Jap. Cedar / Chloroprene rubber	7 - 10	1.6*
Jap. Cedar / Butyl rubber	20 - 25	1.5*

*: bonding held, substrate broken
°: Substrate partially broken

3. Handling

- Before use, please refer to the safety data sheet.
- Prior to opening the container, let it reach room temperature to avoid condensation inside.
- To obtain optimal results, remove humidity, grease and other impurities from the surfaces to be assembled.
- Depending on the materials (dimensions and surface roughness), apply an appropriate and uniform amount of liquid gasket on the surface, then assemble rapidly.
- If needed, the use of our activator TB 1796B may reduce the curing time.
- For hard to bond materials (e.g. PE, PP), the use of our primer TB 1797 or TB 7797 may improve adhesion properties.
- The product once transferred into another container should not be returned to the original one. Any excess product should be wiped out using a cloth.
- Excess product may be removed using TB2890D cleaner.
- Keep the glue in its original container tightly sealed and store it in a dark, dry and well ventilated place at **5 ~ 10°C**.

Data given here were compiled to the best of our knowledge and are based on experiments and tests of our Company. We cannot guarantee the results obtained through the use of our products, and all products are sold and samples given without any warranty, expressed or implied, of fitness for any particular purpose or otherwise and upon condition that the user shall make his own tests to determine the suitability of the product for his purpose.