

ThreeBond 1742

Cyanoacrylate Instant Adhesive

ThreeBond 1742 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	30	mPa.s
Specific gravity at 25°C	1.07	-
Setting time - NBR	6	s

Shear strength

Test	Results	Units
Steel	12	MPa
Aluminium	5	MPa
Polycarbonate	3.4	MPa
PVC	*	MPa
Phenol	*	MPa
ABS	4.7	MPa
Epoxy FR4	15.4	MPa
PPS	1.4	MPa
Polystyrene	*	MPa

* Material failure

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**.