

TECHNICAL DATA SHEET

ThreeBond

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Three Bond 1747 Cyanoacrylate Adhesive

Three Bond 1747 is a cyanoacrylate-based instant high strength adhesive of solventless single fluid type. It polymerises in a few seconds and binds strongly on difficult to adhere material surfaces.

Features

- Adhere difficult surfaces, with particularly excellent adhesion to rubber, plastic and metals.
- Instant bonding. Strong adhesion in only 4 to 25 seconds.
- No mixing, pressure or heat required. Strong adhesion at room temperature.
- Very small quantity required. Its relatively low viscosity allows good spread and penetration.

Applications

- For binding weather-strip rubber and door stop rubber.
- Firm fixing of the speed changer level. Suitable for plastic, rubber and metal.

Directions for Use

- Remove the cap and prick the nozzle to open a small hole with the provided needle.
- Thoroughly clean surfaces of water, oil, rust and other foreign matters.
- Apply a very small quantity of adhesive to sufficiently spread and cover surface to be bonded.
- Press the two surfaces together to help spread fluid thinly and uniformly until the two surfaces are fixed at the desired position.
- The set time may vary depending upon the acidity and water content of the wood materials, temperature and humidity of the working site.
- For bonding butt ends, it is recommended to take bonding area as wide as possible and press objects together to ensure stronger bonding.

All 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

Characteristics

Item		Specification
Appearance		Pale yellow transparent
Main component		Ethyl Standard Type
Viscosity at 25°C		2000 mPa-s
Specific Gravity at 25°C		1.05
Setting time	Fe	20 sec
	NBR	1.5 sec

Setting and Shear strength

Substrate	Setting Time, sec.	Shear strength, kg/cm ²
IIR/IIR	10 ~ 15	5.0*
CR/CR	5 ~ 10	5.0*
SBR/SBR	5 ~ 10	5.0*
NBR/NBR	10 ~ 15	5.0*
NR/NR	10 ~ 15	5.0*
ABS/ABS	10 ~ 15	55*
PC/PC	10 ~ 15	50*
PS/PS	20 ~ 30	40*
Ac/Ac	10 ~ 15	30*
Hard PVC/Hard PVC	5 ~ 10	16
Soft PVC/Soft PVC	10 ~ 15	4.5
POM/POM	15 ~ 20	9
PA/PA	10	25
Glass/Glass	~ 5	30*
Fe/Fe	15 ~ 20	190
FE/Zn plated	10 ~ 15	130

- : Substrates Ruptured

Handling Precautions

1. Harmful. Do not inhale or ingest. In the event that this product is ingested, consult a physician immediately.
2. If using a large amount of this product or using for a long time, it is compulsory to ventilate the area well. If necessary, use mask, non-permeable gloves, and protective glasses. Ventilate well with local exhaust equipment.
3. In case of eye contact, do not blink or rub eyes. Absolutely do not use remover or solvent. Consult a physician immediately.
4. In case of abnormal reaction, stop using, consult a physician.
5. Do not use on human body.
6. Persons with allergies or who are sensitive should not use this product.
7. Product may spray, do not point nozzle towards other persons.
8. Cautions: Bonds skin and mucous membrane instantly.

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9. In case fingers or other skin areas are inseparably bonded together, gently tear apart by immersing into warm water (about 40°C) and rub around affected area.
10. Upon contact with clothes, burns may occur due to heat generated from the chemical reaction. Handle with appropriate care.
11. Please read direction and brochure carefully before use.
12. To prevent dew formation, wait till the contents had reached room temperature before opening.
13. Depending on the material of the mating surfaces, the surface may deteriorate. Confirm the effect of the product before use.
14. If adhesive overflows, whitening may occur.
15. This product cannot bond with polyethylene, polypropylene, silicone resin, soft PVC and glass.
16. Keep away from children.
17. Avoid direct sunlight; store at low temperature (5 ~ 10°C) and low humidity.
18. Product may solidify in container. Do not store with accelerator, epoxy hardener or other alkali materials together.
19. Close lid tightly after use, then store.
20. After the adhesive has been used up, close the container tightly and dispose as other plastics.
21. This product is flammable. Please take the necessary precautions in storage and handling (refer to MSDS).
22. Clean the bonding area before use.
23. For industrial use only.

Shelf Life

9 months unopened when stored at 5°C.

Packaging

Available in size of 20g.

Disclaimer

For Industrial Use Only

(Do not use for household purposes)

- The data contained in this report are obtained from experimental results, based on our test methods. We cannot assume absolute responsibility for accuracy and safety. Before using this product, use your own judgement to determine whether or not this product meets the requirements of the application and objectives. This includes the burden of responsibility and hazardous danger. The extent of the guarantee provides replacement for products, which are clearly unsatisfactory.
- We assume responsibility for neither injury nor property damages resulting from the misuse of this product.
- We do not assume responsibility without written notice or contract.

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