

MIGHTY BOND SHOES

WORKS FOR ALL TYPES OF SHOES

Product Description

Mighty Bond Shoes is an advanced cyanoacrylate, solvent-free, single-component adhesive formula designed for emergency shoe repairs. With only a drop per square inch, it instantly achieves a high strength bond on a variety of materials like rubber and leather. It works best even without the use of catalyst or heat.

Key Features

- Quick setting
- Fast curing
- Forms strong bonds
- Bonds a variety of footwear materials
- Easy to use and apply
- No clamping necessary
- No mixing required
- Self-piercing, clog-free cap



Product Specifications / Typical Properties / Physical Characteristics

Table 1.

Physical Properties (Uncured State)*

Parameters	Results
1. Base	Ethyl Cyanoacrylate
2. Appearance	Clear, Colorless to pale yellow liquid
3. Specific Gravity @20°C	1.06
4. Flash Point	80°C
5. Viscosity @ 25°C	210-350 cps
6. Boiling Point	> 190°C

Applications

- DIY repairs of shoes and other projects
- Bonding a variety of substrates like:
 - Metal
 - Rubber
 - Leather
 - Wood
 - Porcelain
 - Some plastics (except Polypropylene and Polyethylene)
- Limitations:
 - Not waterproof

Table 2.

Physical Properties (Cured State)*

Parameters	Results
1. Setting Time	
-Stainless steel	<5 seconds
-Aluminum	<5 seconds
-PVC	<5 seconds
-Rubber / Leather	<15 seconds
2. Pull-Off Strength	
-Steel	> 350 psi
3. Tensile Shear Strength	
-Steel	> 150 psi
4. Adhesion in Peel	
-Rubber / Leather	5 lbf
5. Boiling Point	> 190°C

*Typical Values and characteristics only.

Not for gap-filling purposes (materials need to be close-fitting to bond properly)

Not recommended for items with direct contact to hot liquids

Application Procedure

A. Surface Preparation

Make sure that the surfaces to be bonded are free from dust, oil, water or lubricant.

B. Method

1. Screw nozzle on tube.
2. To pierce tube, screw nozzle down tightly and turn clockwise
3. Remove cap.
4. Apply a small amount of glue to one surface.
5. Join surfaces and apply pressure for a few seconds. Note: Good contact is essential.

C. Cleaning

Tools and equipments used during application may be cleaned using Mighty Remover. For soiled hands, wipe with cloth dampened with Mighty Remover, then, wash with soap and water.

Handy Tips

- For best results, ensure that substrates to be joined are close fitting.
- For fast cure results, use 1 drop per square inch. Do not use in large amounts as this will cure slower.
- Full bond strength is achieved after 24 hours.
- When fingers get stuck together, apply drops of Mighty Remover at the affected areas. Then, slowly, twist fingers together in the opposite direction.

Packaging (available sizes)

3g tube (1box=40 pcs)

Storage

- Unopened tubes: Cool, dry place away from direct sunlight and preferably 30°C maximum
- Opened tubes: Store tube in an upright position in a cool, dry place and away from direct sunlight. Wiping the nozzle before capping and/or refrigeration helps prolong shelf-life.

Shelf Life

3g tube: 24 months from manufacturing

Health and Safety Precautions

DANGER

Hazards

Combustible liquid.
Causes skin, eye or respiratory irritation.
May cause an allergic skin reaction.

Precaution

Keep away from heat/sparks/open flame/hot surfaces.
No smoking during use.
Avoid breathing mist or vapors.
Wash the hand or face by soap and water after handling.
Use only in a well-ventilated area.
Wear protective polyethylene gloves/protective clothing/eye or face protection.

If on skin: Wash with plenty of soap and water.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present, and easy to do. Continue rinsing.

If skin or eye irritation occurs: Get medical advice/attention.

If inhaled: Remove person to fresh air and keep comfortable for breathing. Take off contaminated clothing and wash it before re-use.

In case of fire: Use carbon dioxide/dry chemical to extinguish.

KEEP OUT OF REACH OF CHILDREN.

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