

## MIGHTY BOND

INSTANT GLUE / BONDS IN SECONDS

### Product Description

Mighty Bond is an advanced cyanoacrylate adhesive that provides exceptionally strong bond in seconds on a wide variety of substrates. No need for mixing, clamping or heating, it polymerizes easily in the presence of moisture.

### Key Features

- Provides strong bond in seconds on almost all substrates
- Easy to use and apply
- Self-piercing/Easy-open

### 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

Table 2.

#### Physical Properties (Cured State)\*

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

\*Typical Values and characteristics only.

### Applications

- Can be used on the following substrates:  
Metal  
Rubber  
Leather  
Wood



Porcelain  
Glass  
Some plastics (except Polypropylene and Polyethylene)

- For repairs requiring immediate results
- For DIY projects
- Limitations:  
Not waterproof  
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. To open/pierce tube, screw nozzle down tightly and turn clockwise
2. Remove cap
3. Apply a small amount of glue to one surface.
4. Join surfaces and apply pressure for a few seconds. Note: Good contact is essential.

### C. Cleaning

Use Mighty Instant Glue Remover to clean up newly cured instant glue on your hands, tools and equipment, then, wash with soap and warm 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

singles = (40 pcs blistered item per box)  
strip = (5 pcs blistered item x 24 strips per box)

#### 1g tube

single = (24 pcs blistered item per box)  
mat = (20 pcs blistered item x 24 mats per box)  
quatro sakto = (24 pcs blistered item per box where 1 blister = 4 pcs of tubes)

### 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  
1g tube: 12 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.

### Warranty and Disclaimers

Unless an additional warranty is specifically stated on the applicable product packaging or product literature, Pioneer warrants that each Pioneer product conforms with the applicable Pioneer product specification at the time of shipment, and when properly used and maintained in accordance with Pioneer's current published Technical Data Sheet (TDS), will serve the purpose for which it is intended. The recommendations and statements in Pioneer's TDS are based on good building practice but are not, by any means, an exhaustive statement of all relevant information. Pioneer shall not be liable for the recommendations in its TDS and the performance of the relevant Product. Pioneer shall also not be liable for any claims, damages or defects arising from, or in any way attributable to poor workmanship, incorrect design or detailing, use of the Pioneer product in unsuitable conditions, and force majeure.

Pioneer MAKES NO OTHER WARRANTIES, CONDITIONS OR REPRESENTATIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOMER OR USAGE OF TRADE. If the Pioneer product does not conform to this warranty, then the sole and exclusive remedy is, at Pioneer's option, the replacement of the Pioneer product or refund of the purchase price.

### Limited Liability

Except where prohibited by law, Pioneer will not be liable for any loss or damage arising from the use or application of the Pioneer product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.