

EZ-MOUNT TOOL BOARD KIT W/ STUDS

MODEL QM-PB-KIT-6

PARTS AND INFORMATION MANUAL

ZICO®

3082PM4

This kit facilitates the mounting of one tool board inside of the compartment without drilling holes.

Kit Includes:

- 1 x Dispensing gun with plunger
- 2 x Mixing tips
- 1 x No-slide bonder adhesive
- 6 x 1-3/4" studs
- 6 x 1/4-20 hex head locknuts



Part Number	Description
3082-103-101	QM-80300 GUN
3082-345-101	Tips- 2 pack
3082-345-103	Studs- 1/4-20 x 1-3/4" S/S - 6 pack
3082-107-101	QM-8040 Adhesive
9113-172500	Nut, Hex Locknut- 1/4-20

For a kit less the dispensing gun, order Model QM-PB-KIT-6-LG. Ideal for situations where multiple dispensing guns are not required (for example, when mounting multiple tool boards in a single apparatus.)

Scan this code for more information
and a brief instructional video



QM-8040 is a two-part acrylic adhesive, which was specifically developed with high viscosity for bonding and holding in place our EZ-MOUNT System Fasteners on a vertical or overhead surface without fixturing; bonding to most metals, plastics and composites.

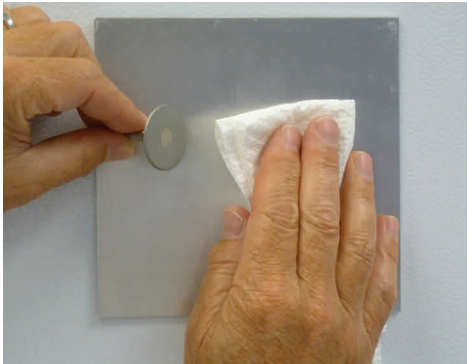
QM-8040 is a 1 to 1 adhesive which is packaged in a unique Non-Plugging 50 ML cartridge for use in conjunction with our QM-80300 dispensing gun and QM-80850 mixing tip.

Proper mixing is important.

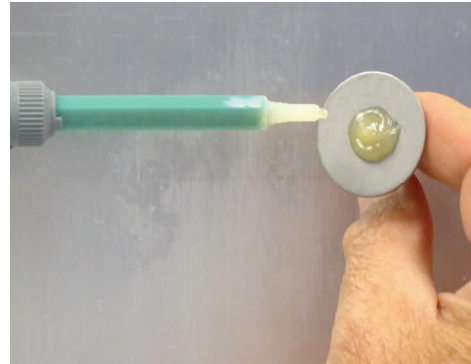
QM-8040 sets in approximately 10-12 minutes, develops working strength in 25 minutes and dries to a gold color.

Please note the following before use:

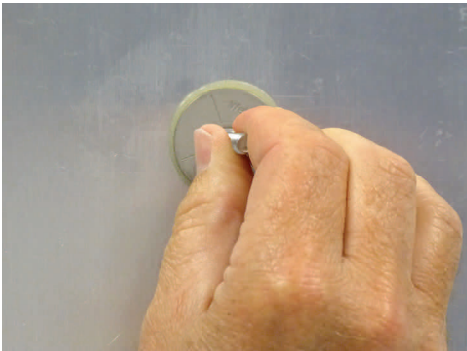
1. QM-8040 Adhesive has a shelf life of one year when properly stored. We recommend that the adhesive be refrigerated when not in use to obtain the maximum shelf life. Do not leave adhesive in high temperature locations as this will severely reduce the shelf life. Expiration dates on the adhesive are approximated as we can not control storage conditions. We recommend storing adhesive away from food. While there is no danger in doing so, the adhesive odor may prove undesirable.
2. While specifically designed for bonding to most substrates, QM-8040 will not bond well to soft rubber, low energy plastics such as polypropylene and starboard, leather, brass or bronze.
3. It is the user's responsibility to test this product for the intended application.
4. Extensive surface preparation is not required, excess dust can interfere with the bond strength of the adhesive. We recommend you wipe both surfaces with rubbing alcohol to remove excessive dust, or any grease and oil to achieve the best results. While QM-8040 bonds to most painted surfaces your bond will only be as strong as the paint bond is to the substrate so testing should be carried out to see if the paint needs to be removed.
5. If there is any doubt that the adhesive is still good, test a small amount first before you begin the installation project. Dispense and mix a small amount of product by hand and make sure it gets completely hard. If the adhesive is bad it will not completely harden and you can push your fingernail into it.
6. When using a new tube of adhesive put the cartridge in the gun and remove the protective cap. Save the cap to reseal it later. As air voids or uneven cartridge filling may be possible it is advisable to discard the first bit of material which comes out of the cartridge before affixing the mixing tip. Check to insure both cartridges are dispensing material uniformly.
7. QM-8040 is a high viscosity material so all of our parts can be mounted on vertical or overhead surfaces without sliding.
8. When mounting, apply enough adhesive to the center of the base that when pressure is applied the adhesive is visible 360 degrees around the base.
9. Then rotate the stud clockwise slightly while pressing downwards until the stud will not turn. This allows the adhesive to grab onto the substrate and prevents it from sliding. The adhesive will set in 12 minutes and you can begin to work with the parts after 35 minutes.
10. If you use too much adhesive or locate the part in the wrong location, remove it immediately and wipe all surfaces with rubbing alcohol and reapply. After some practice you will quickly learn how much adhesive to apply.
11. QM-8040 is temperature sensitive. For every 10 degrees drop in temperature below 72 degrees the set time doubles. 55 degrees is the lowest temperature limit. Below this temperature it will not set. The normal bond strength for this adhesive is 3500 lbs. (Tensile). 70% of the full bond strength is achieved after 35 minutes, and full cure is 24 hours. QM-8040 can be used on irregular surfaces as this adhesive is gap filling to 1/4".
12. One 50 ML cartridge is sufficient for approximately 75 parts (continuous bonding).
13. If you stop dispensing the adhesive, it will set up in the mixing tube within roughly 4 minutes. Do not try to force the adhesive out of the nozzle as this may cause the cartridge to leak or you will strip the plunger on the gun. We recommend you purchase 5 mixing tips with each cartridge of adhesive.
14. Do not store the adhesive cartridge with the mixing tip attached. After use, remove the mixing tip, wipe the opening and place the cap back on the cartridge as soon as possible. You will notice the cap has a "V notch" in it that only allows replacement one way. Before reuse check to make sure that both sides of the cartridge are flowing freely before installing a new tip. This will ensure multiple uses of the cartridge.
15. Please review the warning information on the cartridge label.



Clean Fastener & Substrate With Scotchbrite And Solvent



Put A Large Drop Of Adhesive In The Center Of The Part Base



Push Part Into The Substrate To Squeeze Adhesive Out From Base



Slowly Turn Part Clockwise While Pushing Until It Won't Turn



Traditional
Acrylic
Adhesive

AT-8040
No Slide
Adhesive



Cap Can Only Be Installed One Way Preventing Cross Contamination

Adhesive Description Sheet

Description:

Weld Mount QM-8040 is a solvent free, VOC Compliant, two part methacrylate-based, structural adhesive formulated to bond metals for use in severe environments. It will also bond engineered thermo- and hermosetting plastics, composites to metals or various substrate combinations. It has excellent adhesion to asreceived metal surfaces including aluminum, stainless steel, galvanized steel, and plated steels. AT-8040 forms a tough, high strength bonds usually with minimal surface preparation developing handling strength in 12 minutes and a functional cure within 40 minutes. Ultimate strength exceeds 3500 psi of tensile shear strength on aluminum with remarkable impact and peel strengths. AT-8040 will hold all Weld Mount parts on a vertical or overhead surface without sagging when properly used.

Precautions:

QM-8040 is flammable. Keep it away from heat, sparks and open flames.

Keep out of reach of children.

This product is for industrial use only. Keep containers closed when not in use.

Avoid contact with skin and eyes. Harmful if swallowed.

Physical Properties: (Cured)

Strength (PSI) Shear 3,500 psi on AL

Peel 60 pli on steel

Impact 20 ft lbs/in² on alum

Working Time 4 to 5 Minutes

Handling Strength 40 Minutes For 75% Overall Strength

Gap Fill 0.250 Inches

Temperature Range:: -45° R to +225° F

Clean Up Solvents MEK, Alcohol

Physical Properties: (Uncured)

Viscosity @ 25° C (cps) Mixed 140,000 cps

Color: Light Tan

Specific Gravity: 1.35

Shore Hardness (D) 65

Mixed Ratio: Volume: 1 to 1 Weight: 1 to 1

THIX Index: 5 - 6

Flash Point: 51° F (COC)

Elongation: 55%

WHAT QM-8040 BONDS:

- METALS:
- ALUMINUM
- STEEL
- STAINLESS STEEL
- COATED METALS

- THERMO SETS:
- FIBERGLASS
- PHENOLICS
- GEL COATS
- EPOXY
- RIM URETHANE
- POLYURETHANE
- LIQUID MOLDING RESINS
- SMC

- THERMO PLASTICS:
- ACRYLICS
- ABS
- POLYCARBONATES
- NYLONS
- PPO'S
- VINYL'S
- PVC'S
- STYRENE'S
- PEEK'S
- PBT BLENDS
- PET BLENDS



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