



# Quick Foam Broad Urethane

PRODUCT DATA

1:0 Cartridge

## Division 3 Cement

### PRODUCT DESCRIPTION:

Quick Foam Broad is a hydrophilic polyurethane liquid with a 100 cps.

### PURPOSE:

Quick Foam Fine is designed to be injected into cracks in order to stop water infiltration and ex-filtration. When the product reacts it creates a closed cell barrier that prevents water infiltration. Best suited for cracks that are 1/8" or wider which are wet or actively leaking.

### ADVANTAGES:

- Permanently flexible
- Easy to apply
- Low shrinkage
- Safe
- Economical
- Bridges wide gaps

### SPECIFICATIONS:

- Mix Ratio – 1:1 (With added water on one side)
- Mixed Color – Amber
- Consistency – Paste
- Initial Cure – 1 min
- Full Cure – 24 hrs
- Shelf Life – 1 yr (unopened)
- Tensile Strength - ASTM D-3574-86 – 380 psi
- Tensile Elongation - ASTM D-3574-88 - 400%
- Bonding Strength – 150-300psi - Shrinkage - <5%
- Flash Point (of uncured product) - 225°F

### PACKAGING:

21 oz. 1:0 Dual Cartridge (Product & Empty – Add water)

### APPROXIMATE USAGE:

Rate varies depending on size of crack. (App. 10-21 oz per 8' crack, in an 8-10" thick wall.) Product can foam 2-3 times its un-foamed volume.

### CURE TIME:

High temperatures will accelerate the setting time and cool temperatures will slow the setting time.

### PREP:

Lay down crack injection drop cloth. Wire brush surface area to remove debris and roughen the surface. Place a paste cartridge in the injection gun. Remove caps and attach a 1/4": 24 Quick Mix Static Mixer onto cartridge using a retaining nut. Inject just enough of the paste into a stir dish that you can work with to attach ports. Mix well with a putty knife. NOTE: If desired paste can be injected into the stir dish without the use of a static mixer.

### Using Quick Port Surface Mounts, Quick Port Corner Mounts or the Quick Lock Surface Mounts

Using the putty knife apply paste to the base of each port, being sure not to cover the injection hole with the paste. Starting at the bottom of the crack, place ports every 8-10" apart until reaching the top.

### Using Drill-In Ports

Put on a dust mask before drilling into concrete. Use a 1/2" concrete drill bit when using the Quick Lock Drill-In Ports or a 5/8" concrete drill bit when using the Low-Pressure Drill-In Ports. For cracks 1/16" wide or less, cracks in corners and actively leaking cracks drill a 2 to 4" deep hole at a 15 to 30° angle intersecting the crack. You will feel a slight release of pressure when your drill bit intersects the crack. Repeat every 8 to 10" alternating from side to side until entire crack is drilled. Use a can of compressed air to remove concrete dust from drilled holes making sure the crack is not blocked with dust.

### Quick Lock Drill-In Port Insertion

You will need three items – the Quick Lock Drill-In Port, the Quick Lock Braces and the Quick Lock Caps. Place a Quick Lock Brace over the injection end of the Drill-In Port. Insert the footed end of the port into the drilled hole. You will then use the Quick Lock Caps during the

injection process as a temporary hold. This prevents product from flowing out.

### Low-Pressure Drill-In Port Insertion

Insert the black-sleeved end into drilled hole. Note: No other parts are needed as the check valve inside the port prevents material from flowing out during and after injection.

### SURFACE PASTE APPLICATION:

After ports have been installed again mix inject enough paste into a stir dish to work with. Feather paste out a minimum of 2" wide over the crack and build up 1/4" around each port this will prevent a blowout during injection. Allow paste to cure (App. 10-30 min.) To accelerate curing time use a heat gun. NOTE: Do not begin injection until surface of paste resists a putty knife impression. Remove paste cartridge from the injection gun and recap unused portion for future use.

If the Quick Set Surface Seal & Peel is used instead of the Quick Set Surface Port Paste, removal is best done within 24 hours of the application. Using a chisel and hammer work product off the wall and pull off the remainder. If left on longer, more force may be required.

NOTE: For additional resources, see Mar-flex Crack Injection Instructional Video.

### PRODUCT APPLICATION:

Take the Quick Foam Broad Cartridge and remove bottom end cap. Fill the empty side with tap water and then replace the end cap. Place the Quick Foam Broad cartridge into the injection gun, remove top caps and attach a 1/4": 24 Quick Mix Static Mixer to cartridge using a retaining nut. (Note: If needed, a Flexible Quick Hose Injection Assembly can be used instead of the to inject the crack in the hard to reach areas.)

Begin injection at the lowest port, injecting with slow consistency until product begins to flow from the port above. Cap off the port you are injecting into. Begin injecting the next port and so on up the crack. Note: It is important to keep injection gun parallel to the port during the process. If fluid stops flowing through the static mixer and pressure increases on the trigger, this could be a sign of dust clogging up the flow of product in the crack. At this time, relieve pressure off gun, cap off port and move to next port.

Should you experience a "blow out" during injection, inject that area with the Quick Set Urethane Adhesive.

### AFTER INJECTION IS COMPLETED

#### Quick Lock Surface Ports or Drill-In Ports

Starting at the lowest port, crimp all the ports by squeezing the Quick Lock Braces closed using a pair of pliers. This permanently crimps the ports to protect from expansion backflow during the curing process.

#### Quick Port Surface Mounts

The ball valve inside the port will prevent any backflow of material.

Allow product to set up for a minimum of 24 hours. If the homeowner requests removal of the ports and paste, use a chisel and a hammer to get up behind the paste or a grinder/sander can be used.

NOTE: For additional resources, see Mar-flex Crack Injection Instructional Video.

### CLEAN UP:

It is best to remove material from equipment before set up. Small, uncured spills can be wiped up with a rag. If material flows onto the floor or if a blow out occurs, allow product to cure and remove with a break-away knife or similar.

### PRODUCT HANDLING/STORAGE

- Do not expose stored product to cold or freezing temperatures.



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- Avoid exposure to many common substances, including water and moisture.
- Safety glasses and clean rubber gloves should be worn at all times during crack injection process.

**WARNING/DANGER:**

- Do not smoke or use naked light, open flames, space heaters or other ignition sources near product.
- Use with adequate ventilation.
- KEEP OUT OF THE REACH OF CHILDREN.
- KEEP AWAY FROM PETS.
- Do not take internally.
- In case of ingestion, CALL A PHYSICIAN immediately. DO NOT INDUCE VOMITING
- This product is designed to be pumped not sprayed.

**Component A** – Prolonged or repeated exposure may cause eye/skin irritation. If eye contact occurs, flush with water for 15 minutes. Seek medical attention. If skin irritation, wash with soap and water. Seek medical help as needed. If ingested can cause irritation and corrosive action in mouth, stomach tissue or digestive tract. If swallowed drink 1 to 2 glasses of water or milk. DO NOT INDUCE VOMITING. Seek medical attention. Overexposure can lead to upper respiratory problems. Remove overexposed person to fresh air. Wear protective clothing, gloves and goggles.

**Component B - Water**

**PRODUCT ONLY WARRANTY:**

We warrant the product to be of good quality and manufactured to meet published physical properties and quality control standards.

Except as specifically provided herein, Mar-Flex makes no warranty, express, implied or oral including but not limited to any warranty or merchantability, fitness for a particular purpose, usage of trade, course of dealing or course of performance in connection with this agreement. In no event shall Mar-flex be liable on any such warranty with respect to the product. Mar-flex shall not be liable for incidental or consequential damages including, but not limited to damages of the structure, its replacement, contents or personal injury. Some states do not allow limitations on how long an implied warranty lasts or allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

**HEALTH AND SAFETY INFORMATION IS GIVEN IN THE MATERIAL SAFETY DATA SHEET AND THE PRODUCT DATA SHEET AVAILABLE FOR THIS PRODUCT. THESE SHOULD BE READ AND UNDERSTOOD BEFORE USING THIS PRODUCT.**

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