



Urethane Quick Foam Fine

Concrete Crack Repair

1:1 Cartridge

PRODUCT DESCRIPTION:

Quick Foam Fine is a hydrophobic polyurethane liquid with a 600 cps.

PURPOSE:

Quick Foam Fine is designed to stop water infiltration or ex-filtration through cracks. Cartridges contain product and catalyst that once introduced to water, reacts forming a closed cell barrier that prevents water infiltration. Designed to be used on dry or damp cracks that are hairline and larger but not actively leaking.

ADVANTAGES:

- Permanently flexible
- Easy to apply
- Low shrinkage
- Safe
- Economical

SPECIFICATIONS:

- Mix Ratio – 1:1
- Mixed Color – Amber
- Consistency – Paste
- Initial Cure - 20 min.
- Full Cure – 24 hrs.
- Shelf Life – 1 yr (unopened)
- Density (Core) - ASTM D-1622 – Free Rise 2.02 lb/ft.
- Shrinkage - Low Temp - ASTM D-2126
(1 day – <0%), (7 days - <0%)
- Water Absorption – ASTM D-2127 – <1%
- Shear Strength – ASTM C-273 – 34 psi
- Tensile Strength – ASTM D-1623 – 31psi
- Elongation – ASTM D-1623 – 45%
- TDI Content – 0%
- Solids – 100%

PACKAGING:

21 oz 2:1 Dual Cartridge (Product & Catalyst)

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.

WALL CRACK INJECTION APPLICATION:

Prep:

Lay down crack injection drop cloth. Wire brush surface area to remove debris and roughen the surface.

Place a Quick Set Surface Port or Quick Set Surface Seal & Peel paste cartridge in the injection gun. Remove caps and attach a ¼": 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.

Installing the Universal Wall Surface/Corner Mounts:

Using a putty knife, apply the 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 of the crack.

Prep for Low-Pressure Drill-In Ports:

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

Installing 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.

Applying Surface Port Paste:

After injection ports/mounts have been installed, inject a small amount of the A & B paste into a stir dish and mix with a putty knife to a consistent grey color. Paste the entire length of the crack making sure to feather the paste out a minimum of 2" wide. (By sealing the cracks entire length, you will help prevent the injection material from flowing back out of the crack.) Build the paste up ¼" around each port. (By building up around the ports, there is less likely hood of a "blowout" around the ports due to the pressure of injection.)

Allow paste to cure (App. 10-30 min.) 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. NOTE: To accelerate curing time a heat gun can be used.

Injection:

Place the Quick Foam Fine cartridge in the injection gun. Remove the caps and attach a ¼": 24 Quick Mix Static Mixer with a retaining nut. (Note: If needed, a Flexible Quick Hose Injection Assembly can be used instead of a mixing nozzle to inject the crack in the hard to reach areas.)

Begin injection at the lowest port/mount, with slow consistency until product begins to flow from the port above. Remove mixing nozzle and 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 or mix a little more paste to hold the injection material inside the crack.

AFTER INJECTION IS COMPLETED

UniversalSurface/Corner Mounts

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



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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.

If the Quick Set Surface Seal & Peel is used 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 for Wall Injection.

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-a-way knife or similar.

PRODUCT HANDLING/STORAGE:

- Do not expose stored product to cold or freezing temperatures.
- 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 should 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 - Avoid skin and eye contact. Avoid ingestion and inhalation of heated product. Eye contact may cause severe burns. Seek medical attention immediately. Contact with skin may cause irritation. If skin contact occurs, wash immediately with clean water and seek medical help as needed. This product may be a strong sensitizer. Avoid inhalation of vapors. Wear protective clothing, gloves and goggles.

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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