



Epoxy Quick Set Surface Port Paste

Wall/Port Paste

1:1 Cartridge

PRODUCT DESCRIPTION:

Quick Set Surface Port Paste is a two component smooth epoxy adhesive.

PURPOSE:

The Quick Set Surface Port Paste is designed to be used as a surface sealer surface sealer and to attach ports in epoxy and urethane foam crack repair.

ADVANTAGES:

- Rapid curing
- Easy to apply
- Safe
- Economical

SPECIFICATIONS:

- Mix Ratio – 1:1
- Mixed Color – Gray
- Consistency – Paste
- Pot Life – 6-10 min.
- Full Cure – @40°F – 1.5 – 1.75 hr., @73°F – 25-30 min., @90°F – 20-25 min.
- Shelf Life – 2 Yr. (unopened)
- Compressive Strength –
@ 40°F, Cure time - 1 hr. – 30 psi, 4 hr. – 3,500 psi, 16 hrs. – 6,900 psi, 7 days – 8,300 psi
@ 73°F, Cure time – 1 hr. – 5,600 psi, 4 hr. – 7,800 psi, 16 hrs. – 8,500 psi, 7 days – 9,200 psi
- Bond Strength – ASTM C-882 – 2 day dry cure - 3,000 psi
- Tensile Strength - ASTM D-638 – 1 day – 3,3000 psi
- Flexural Properties – ASTM D-790 – 1 day – 5,000 psi
- Shear Properties – ASTM D-7362 – 1 day - 2,500
- Deflection Temperature – ASTM D-648 -1 day - 115°F
- Water Absorption – ASTM D-570 – 7 days – 2 hr boil - 0.8%

PACKAGING:

22 oz. 1:1 Dual Cartridge (Product & Catalyst)

APPROXIMATE USAGE:

Rate varies depending on size of crack and the thickness in which it is applied.

CURE TIME:

25-30 minutes @ 73°F or 1.5-1.75 hours @ 40°F.

Working Time:

At room temperature (55°-85°F) there is a working life of 6–8 minutes. At these temperatures, it is best to mix parts A&B for 1-2 minutes and immediately begin to apply to ports to set them.

In summer months, where the components may be at (75°-95°F), the product will be setting up in the mixing bowl within 4-7 minutes. Under these circumstances surface should be ready to inject 20-30 minutes after mixed.

In cooler months, (35°-55°F) working life will be 8-12 minutes. At these temperatures it is best to mix parts A&B thoroughly for 1-2 minutes and then allow an induction period for the product to begin to create its own heat. This may take 2-6 minutes after mixing has

begun. Using this recommended procedure would permit the surface to be ready at the earliest time and may be as rapid as experienced in warmer circumstances.

Both procedures are geared to a working life of 5-8 minutes for the surface sealing and setting of injection ports. Do not mix more than will be used with this limited time. (The last material applied will harden the fastest.)

WALL CRACK 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 Paste cartridge into 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 or if desired distribute A&B directly into cup by applying pressure to the end caps. Mix well with a putty knife.

Installing the Universal Wall Surface/Corner Mounts:

1 Using a putty knife, apply the paste to the base of each port, being sure not to cover the injection hole with the paste.

Place ports every 8-10" apart until reaching the top of the crack.

Applying Surface Port Paste Over Cracks:

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.

AFTER INJECTION HAS BEEN COMPLETED

Removal of paste/ports

Allow injection 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. Soak in epoxy stripper to remove cured product. Small, uncured spills can be



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wiped up with a rag. Using rags with acetone or heavy-duty detergents can remove cured product.

PRODUCT HANDLING/STORAGE:

- Do not expose stored product to cold or freezing temperatures.
- Avoid exposure to many common substances, including water and moisture.
- Do not thin.
- Store away from light and between 45°F - 95°F.
- Condition product to 65°F - 85°F.
- Safety glasses and clean rubber gloves should be worn at all times during crack injection process.

WARNING/DANGER:

- Use with adequate ventilation.
- Keep out of the reach of children.
- Do not take internally.
- In case of ingestion, CALL A PHYSICIAN immediately. DO NOT INDUCE VOMITING
- Avoid contact with skin and eyes

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 give large quantities of water and 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 irritation. 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. 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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