

EUCO QWIKSTITCH

FAST SETTING URETHANE CRACK & SPALL REPAIR

DESCRIPTION

EUCO QWIKSTITCH is a two-component hybrid urethane repair liquid used to mend cracks in concrete, repair spalled joints and repair damaged or uneven concrete surfaces. EUCO QWIKstitch is an ultra-low viscosity material formulated to penetrate deep into cracks, mending them back together. Its fast cure time makes quick work of repair jobs; concrete repaired with QWIKstitch can be opened to heavy traffic in less than one hour. QWIKstitch can be mixed with aggregate to make a tough mortar perfect for quickly repairing pop-outs and spalls.

PRIMARY APPLICATIONS

- Cracked concrete surfaces, interior and exterior
- Spalled floor joints
- Repair of pop-outs and delaminations on floors

FEATURES/BENEFITS

- Can be applied at a range of thicknesses with the use of clean, oven-dried silica
- Very fast cure time
- Repairs can be made to blend in with the concrete
- Low viscosity - deep penetration into cracks
- Wide application temperature range: 0°F to 115°F (-17°C to 46°C)
- Zero VOC's and no solvent odor

TECHNICAL INFORMATION

PROPERTY	RESULT
Mix Ratio, Part A to Part B	1:1 by volume
Mix Ratio, sand to mixed liquid	2:1 by volume
Color	Part A: Clear/Amber Part B: Black Mixed: Gray
Gel Time at 75°F (24°C)	2 - 3 minutes
Tack Free Time at 75°F (24°C)	10 minutes
VOC Content	0 g/L
Shore D Hardness ASTM D 2240	70
Tensile Strength, 7 days, psi (MPa) ASTM D 638	4,090 (28)
Tensile Elongation, % ASTM D 638	4.6
Compressive Strength, psi (MPa) ASTM D 695	1 hour: 4,760 (33) 24 hours: 5,110 (35)
Bond Strength, psi (MPa) ASTM C 882	1,847 (12.8)
Water Absorption, % ASTM D 570	0.25

Appearance: EUCO QWIKstitch is a two-component product has a light gray after curing. When used with sand, the final color of the repair will depend on the type, color, and gradation of the sand. Manufactured or colored quartz can be blended on the jobsite to match the color of the floor.

PACKAGING

EUCO QWIKstitch is packaged in cases of 12/22 oz (0.7 L) dual cartridges and cases of 12/9 oz (0.27 L) single-tube cartridges with static mixers and retaining nuts included. QWIKstitch is also available in 2 gal (7.6 L) bulk units consisting of 1 gal (3.8 L) Part A and 1 gal (3.8 L) Part B.



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COVERAGE/YIELD

- 22 oz (0.7 L) cartridge: 36 in³ (590 cm³) of neat material
- 9 oz (0.27 L) cartridge: 16 in³ (256 cm³) of neat material
- 2 gal (7.6 L) bulk unit: 462 in³ (7577 cm³) of neat material

SHELF LIFE

1 year in original, unopened package.

DIRECTIONS FOR USE

Surface Preparation: All dirt, oil, dust, foreign contaminants, and laitance must be removed to assure a good bond to the concrete. For repair of spalled concrete or pop-outs, a stiff wire brush or twisted wire wheel on a grinder can be used to remove all loose or unsound concrete. Cracks should be similarly cleaned with a diamond blade saw, wire brush or wire wheel. After preparing area, remove all dust and debris with an industrial vacuum and oil-free compressed air. All surfaces must be clean and dry before installation of QWIKstitch.

Environment: Condition QWIKstitch to room temperature, 60°F to 80°F (16°C to 27°C) before using. Any sand used with the product must be dry and kept at room temperature. Warmer material and/or application on hot concrete or in a warm environment will accelerate curing of QWIKstitch. Cold material, cold concrete, or application in a cold environment will delay curing. Heat cold concrete to remove any visible frost before application of QWIKstitch.

Readying Cartridges: Cartridges of QWIKstitch must be shaken well before using. After shaking, let cartridge stand for one minute to allow any entrapped air to disperse. Insert cartridge into a dual component, 300 mL x 300mL manual dispenser with a 1:1 mix ratio. Remove cap from top of cartridge by prying up with a flat head screwdriver. Save the cap; it can be re-inserted to save a partially used cartridge. Hold cartridge at a slightly upward angle and slowly dispense a small amount of material into a disposable container until both materials flow evenly from cartridge. Continue to hold cartridge & gun at an upward angle and install flow control and mixing nozzle onto cartridge. Next, point mixing nozzle straight up and slowly begin gunning material through the mixing nozzle until it reaches the tip. Point upwards at a 45° angle and dispense one stroke into a disposable container.

Crack/Spall Repair, Cartridges: Gun QWIKstitch directly into cracks, allowing adhesive to penetrate into the crack and top-off as needed. Kiln-dried medium grade (30 mesh) silica sand or dry floor grindings can be sprinkled on top of the wet QWIKstitch to add texture and closely match the appearance of the surrounding concrete. Alternately, larger cracks can be filled with dry, medium grade silica sand then saturated with QWIKstitch. Keep QWIKstitch flowing to prevent material from hardening in the nozzle. Mixed QWIKstitch will be tack-free in 10 minutes at 75°F (24°C). Excess material may be removed immediately or within 20 to 30 minutes after installation by scraping/shaving with a sharp blade. If necessary, cured QWIKstitch can be ground smooth with a brick rub or hand grinder approximately one hour after application.

Crack/Spall Repair, 2 gal unit: QWIKstitch can be mixed with kiln dried medium grade (30 mesh) silica sand to create a mortar suitable for repairs ½ inch to 3 inches (1.3 to 7.6 cm) in thickness per lift. QWIKstitch mortars must be mixed, placed, and finished in less than 3 minutes, so only prepare an amount of QWIKstitch mortar that can be mixed and placed within that time.

Thoroughly but quickly, mix Part A with Part B with a Jiffy mixing blade and drill at low speed for 20 seconds maximum. While one person is mixing A & B, have a second person swiftly add the sand at a ratio of 2 parts sand to one part mixed QWIKstitch, by volume. Make sure all sand is saturated and there are no clumps of dry sand remaining. Scrape bottom and sides of pail to assure good mix. Place and finish immediately.

CLEAN-UP

Tools, equipment and general clean-up can be done before the product cures with MEK or acetone.

PRECAUTIONS/LIMITATIONS

- Wet substrates or wet sand can cause foaming of the EUCO QWIKstitch and result in a low strength, less durable repair.
- Do not apply solvent based sealers or coatings over EUCO QWIKstitch.
- In all cases, consult the Material Safety Data Sheet before use.

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