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# CRK-1208 Crack Repair Kit for Repairing Structural Cracks

NEW



## AMAZING NEW PRODUCT!

- CRK-1208 Crack Repair Kit is the Pool Contractor's "go to" package for concrete pool, spa and water feature repair.
- Basecrete's no-shrink, super-adhesive, stay-tight technology fuses with TorqueStitch mechanical iron stitches to create a flexible bond that withstands and absorbs movement even in extreme conditions.
- This powerful combination of heavy duty fasteners and waterproof Basecrete cement mortar make it the ideal product for repairing structural cracks in pools and concrete.

Basecrete Technologies LLC and MW Engineering have joined forces to create the ultimate Crack Repair Kit. Each kit contains 8 Iron Stitches, 10 ft of Mesh, and 20 lbs of Basecrete Compound & Liquid; enough to repair an 8 to 10 foot crack.

The TorqueStitch mechanical system is designed to transfer load and stress away from the fracture producing tensile strength across the crack, creating a permanent structural solution. The PATENTED heavy duty fastening system works by tightening on the anchor wedge to post-tension the rebar stitch, preventing the crack from expanding or getting larger.

Basecrete Concrete Repair Mortar is used to fill the crack and the high strength flexible mesh embedded in Basecrete provides additional reinforcement. Basecrete is also used to fill the cut-outs made to install the mechanical stitches. Basecrete is a flexible waterproof Concrete Repair mortar that permanently seals the crack, preventing water penetration and stopping water loss.



**CRK-1208  
Crack Repair Kit**



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*Performs better than any system  
on the market!*

U.S. Patent No. 9523207  
Issued 12/20/2016  
www.TorqueStitch.com



# Technical Information

## CRK-1208 Crack Repair Kit Features and Benefits

- Performs better than any other system on the market
- CRK-1208 Crack Repair Kit Components sold together in convenient 8-stitch kits
- Patented mechanical stitches were designed by licensed structural engineer
- Basecrete waterproof mortar mixes quickly in three easy steps



### TECHNICAL SPECIFICATIONS

#### TorqueStitch

**ITEM**  
ST12

**STITCH DESCRIPTION**  
Engineered anchor stitch structural system

**INSTALLATION SPACING**  
1-stitch per foot of crack -typical

**STITCH TENSILE STRENGTH**  
60,000 psi

**ANCHOR**  
2 1/2" Custom Sleeve Type

**HORIZONTAL DIMENSIONS**  
13-1/4" long by 1-1/4"

**BRIDGE LENGTH**  
12" overall length extending 6" on each side of fracture

**HOOK LENGTH**  
2-1/4" wedged into concrete

**ANCHOR LENGTH**  
2-1/4" wedged into concrete

**WEDGE MECHANISM**  
Precision machined case hardened 1018 steel

**BRIDGE MATERIAL**  
A-706 rebar

**NICHE**  
Saw Cut 14-1/2" long by 1-3/8" wide by approx. 1-1/2" deep

TorqueStitchST12-10 Mechanical Stitches (10-stitch set); When installed properly can restore the tensile strength across the crack, reestablish compression, stabilize the structure, and transfer load away from the fracture. The stitches are fabricated with a machined face and slot, welded to A-706 rebar hook, hot dip galvanized, and installed in a niche below the concrete surface. The mechanical stitches function by tightening down the mechanical wedge to post-tension the rebar stitch, inhibiting the crack from expanding and getting larger. The anchoring mechanism consisting of a threaded stud with an outwardly flared cone-shaped end. Tightening of the nut pulls the cone-shaped stud end into the expander sleeve, wedging it outward and locking the anchor into the concrete base material.

#### BASECRETE

**IMPACT STRENGTH**  
19 Lbs / 8.6 Kg

**COMPRESSIVE STRENGTH**  
7050 Psi / 48.61 Mpa

**TENSILE STRENGTH**  
732 Psi / 5.05 Mpa

**FLEXURAL STRENGTH**  
2380 Psi / 16.41 Mpa

**ADHESIVE STRENGTH**  
Concrete : 1372 Psi / 9.46 Mpa  
Steel : 1144 Psi / 7.89 Mpa

**SHEAR BOND ADHESION**  
720 Psi / 4.96 Mpa

**ASTM STANDARDS**  
Astm E96 – Vapor Transmission  
Astm C321 – Bond Strength  
Astm C672 – Freeze-Thaw  
Astm D4541.02 – Pull Off Test  
Meets Or Exceeds All Above Astm Standards

Basecrete is a waterproofing bondcoat / underlayment / micro topping for use in all applications where a solid and durable waterproof barrier is required. Basecrete will adhere to most surfaces, is resistant to most chemicals and corrosive agents and can withstand a high degree of movement while maintaining its integrity. Basecrete is a liquid and compound mix.