StrongHold™ Concrete Floor Stitch (STR-FS-100)

The StrongHold™ Concrete Floor Stitch is a high strength carbon bar for strengthening cracked concrete floors & slabs.

Advantages

- Fuses cracked floors and slabs
- Sub-surface repair
- Directional strength
- Corrosion resistant

Packaging

- 25-ft kits (STR-FS-100-25)

Accessories

- Tack Coat Paste
- ShapeShift™ High Build Polymer
- Topcoats
- mixing sticks
- gloves
- mixing paddles
- paint trays

**Sold Separately*

Typical Data & Physical Properties		
Storage Conditions	Store dry 65ºF to 85ºF (18ºC to 29ºC), do not over-stack boxes	
Color	Black	
Tensile Strength (ASTM D3039)	237,900 psi	1,640 MPa
Modulus of Elasticity (ASTM D3039)	21,157 ksi	145,872 MPa
Elongation @ Break (ASTM D3039)	1.12%	

Installation Procedure for StrongHold™ Concrete Floor Stitch

DESIGN SPECIFICATIONS	
Certified Installer Company Name	
Certified Technician(s)	
Job #	
Project Name	

MATERIAL HANDLING & STORAGE						
☐	Product was stored between 65°F and 80°F					
☐	Packing Slip has been verified against order and design calculations					
Record	**Primer**	**Filler**	**ShapeShift**	**Saturant**	**Fabric**	**Topcoat**
Item Code						
QTY						
LOT #'s						
EXP						

ENVIRONMENTAL CONDITIONS		
☐	Surface Temperature	Use an infrared thermometer to obtain value and record below: _____(°F) _____(°C)
☐	Ambient Temperature	Use a digital temp gauge to obtain value and record below: _____(°F) _____(°C)
☐	Skin Temperature is > (5°F/3°C) above Dew Point Skin Temp _____(°F) _____(°C) – Dew Point _____(°F) _____(°C) = VALUE _____(°F) _____(°C)	

STRONG HOLD™

INSTALLATION		
☐	Stage the Materials	Open the Stronghold™ Floor Stitching Kit™ and ensure all components are in the kit as shown to the left before proceeding.
☐	Safety Protection	Take necessary safety precautions – Always wear plastic gloves (included in the kit), protective glasses, and respirator mask. Protect areas from dust using painter's plastic.
☐	Floor Slab is Clean	Prepare and clean the floor to receive the repair.
☐	Mark Out Sawcut Locations	Determine where you will be placing the cuts. Use a concrete saw to cut the surface - each saw cut should be 26" in length. The saw cuts should be spaced 2 feet apart along the length of the entire crack. Refer to the photo for an example of how to properly space the saw cuts.
☐	Sawcut Concrete	Using a circular saw, cut the Stronghold™ Carbon Laminate Stitch into 24-inch pieces.
☐	Clean Out Sawcut	Use a vacuum or compressed air to remove dust.
☐	*Bottom crack dam	Use foam backer rod to prevent resin run-out for cracks that are full depth of slab. *(*Not included with kit)*
☐	Place the Floor Stitch	Place the Stronghold™ Concrete Floor Stitch into the saw cuts.
☐	Mix the Resin	Pour all the contents of Stronghold™ Concrete Floor Stitch Hardener Part B (STR-FS-100-B) into the container with Stronghold™ Concrete Floor Stitch Resin Part A (STR-FS-100-A). Use the mixing stick (included in the kit), mix the combined resin for 3 minutes. Working time for the mixed resin is 30 to 45 minutes depending on the temperature.
☐	Pour the Resin	Pour the resin into each saw cut AND along the crack. Use a squeegee to ensure the resin gets distributed properly.
☐	Pour the Sand	Pour the sand filler, (STR-FS-100-D), into each saw cut and along the length of the crack.
☐	Curing	Allow 24 hours for the resin to fully cure.