



SUREBEAM MASONRY REPAIR SYSTEM

A two component system consisting of stainless steel Suretwist Bar and SureGrout.



Applications:

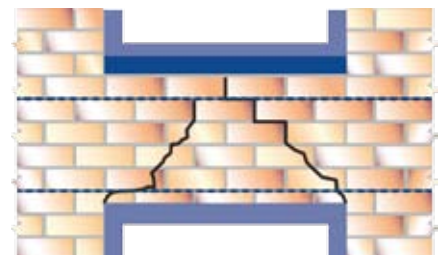
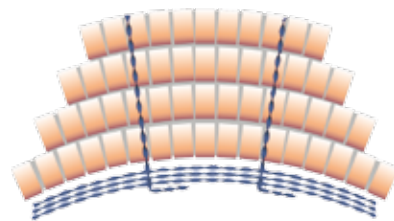
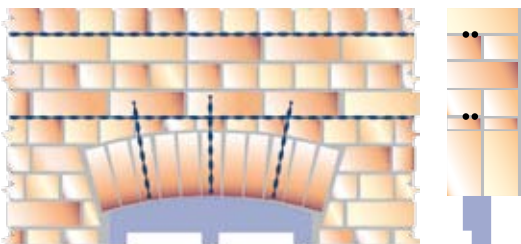
- ▢ Re-introduce a structure's integral and load bearing capabilities
- ▢ A method of reconnecting cracked masonry

Benefits:

- ▢ SureTwist bar manufactured from 304 austenitic stainless steel, (316 available upon request)
- ▢ Non-disruptive repair method
- ▢ Cost effective and more stable than other repair systems
- ▢ SureTwist Bars have a superb combination of axial strength and flexibility
- ▢ SureTwist bars and SureGrout provide excellent bonding characteristics within the masonry
- ▢ Absorbs further localised stress
- ▢ Prevents the likelihood of further cracking
- ▢ Eliminates the need to rebuild existing walls
- ▢ Permanent repair
- ▢ A fast, cost effective and economical solution
- ▢ No special skills required for installation

Range: Suretwist Bar

- ▢ 6mm x 1M -10M
- SureGrout – 1.5 Litre, 3 Litre and 6 Litre tubs available.



The SureBeam system can be used in situations where masonry has lost its structural integrity and load bearing capabilities.

The SureBeam system gives horizontal mortar joint reinforcement which connects the masonry together, forming masonry beams which distributes most of the building loads. No extra stress is introduced into the structure, so the integrity and stability is quickly and cost effectively restored.

CONSTRUCTION PRODUCTS SOLUTIONS INTERNATIONAL LTD.



Unit 3, Haslemere Industrial Estate, Pig Lane, Bishop's Stortford, Hertfordshire. CM23 3HG. United Kingdom.
Tel: +44(0)1279 505 514 - Fax: +44(0)1279 755190 - e mail: info@surecps-group.com - www.surecps-group.com
Company Reg. 6969591 VAT Reg. GB 824 4246 40



Please always wear the appropriate safety and protective clothing when installing fixing and anchor products. Always observe the necessary Health & Safety guidelines.

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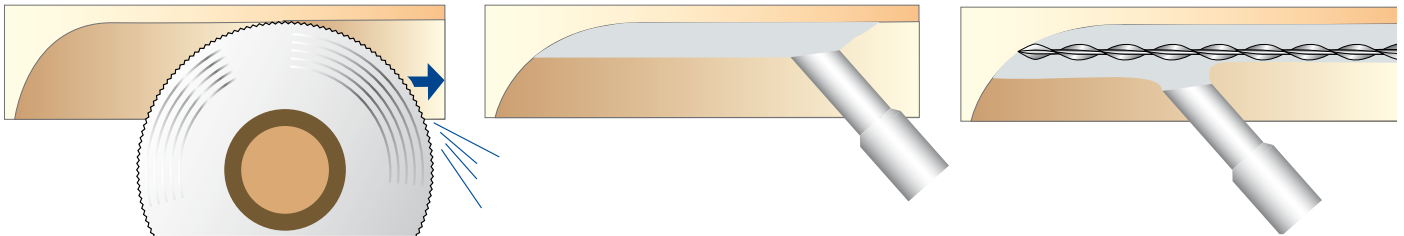


SUREBEAM MASONRY REPAIR SYSTEM

A two component system consisting of stainless steel Suretwist Bar and SureGrout.

INSTALLATION CHARACTERISTICS				
WALL THICKNESS AND APPLICATION		SLOT DEPTH mm	DEPTH OF BAR mm	
102mm wall	SureBeam	40 - 45mm	30 - 40 mm	20 - 30 mm
215mm wall	SureBeam	50 - 55mm	45 - 50 mm	30 - 40 mm

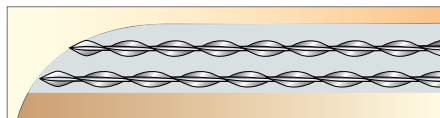
Vertical spacing every 1 brick course to 12 brick courses.
Please ask the CPSI technical department for advice.



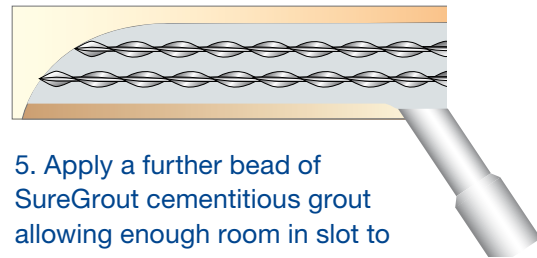
1. Using suitable chasing equipment, cut horizontal slots into the masonry to the required width, depth & length. Clean out thoroughly with clean water.

2. Apply continuous bead of SureGrout into slot with applicator.

3. Insert length of 6mm SureTwist Bar and push into grout, then apply a further bead of SureGrout.



4. Insert length of 6mm SureTwist bar and push into grout.



5. Apply a further bead of SureGrout cementitious grout allowing enough room in slot to re-point with matching mortar.

Installation Tools and Equipment:

- ▣ Suitable Chasing tool
- ▣ PPE Clothing and protection
- ▣ Crack-stitching pointing gun and nozzle
- ▣ Mixing paddle and finger trowel
- ▣ Fill the crack with SureBond TE Resin and make good with colour-pointing mortar

Note:

1. Bar to extend 500mm beyond the end of any opening or crack.
2. Where cracks are within 500mm of corners or reveals bar is to be bent and bonded around the corner to recommended distance.
3. When joining SureTwist helical bar, ensure that it is overlapped by at least 500mm.
4. Always seek the advice of a structural engineer before undertaking any structural repair.

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