

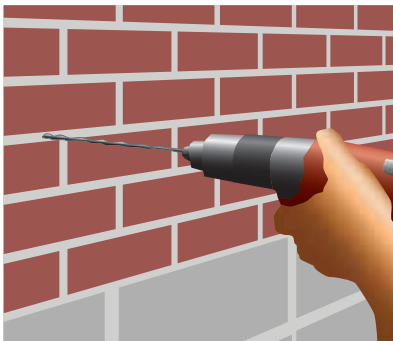
CTP Stitch-Tie



Re-anchors existing veneers to back-up structures

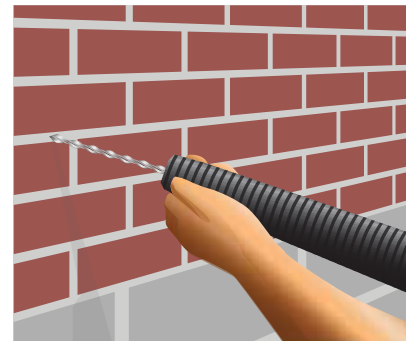
CTP Stitch-Ties reattach existing façades constructed of brick, stone, masonry, pre-cast concrete, etc., that have missing or corroded wall ties. These ties are ideal for reconnecting veneer to block, concrete, brick and wood structures without exposed hardware. They can also repair cracked brick veneers via reinforcement by horizontally pointing the CTP Stitch-Tie in the bed joint.

INSTALLATION



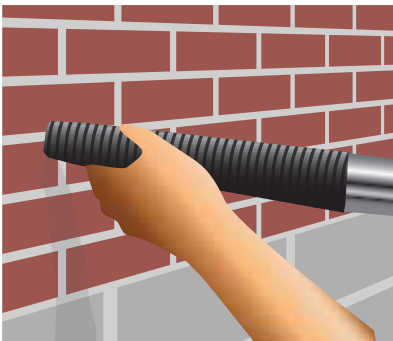
STEP 1

Drill a 3/16" pilot hole using percussion hammer drill (3-jaw chuck type) through the mortar joint.



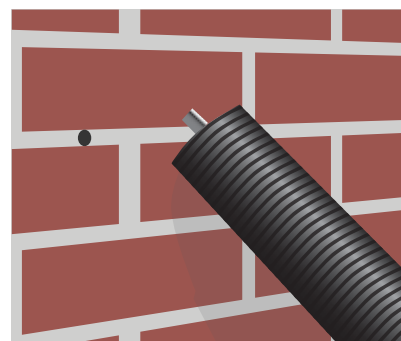
STEP 2

Insert the CTP Stitch-Tie into the setting tool mounted on the rotary hammer S.D.S. drill.



STEP 3

Drive the Stitch-Tie until the nose of the setting tool is hard against the veneer.



STEP 4

The setting tool automatically recesses the CTP Stitch-Tie into the face of the masonry. Patch hole.

CHOOSING THE RIGHT STITCH-TIE

CTP STITCH-TIE LENGTH SELECTION*

Nominal Length	Minimum Drilled Hole Depth	Cavity Range to Back-Up	
		CMU (solid & hollow)	Concrete
6"	6-5/8"	1" - 0	1-1/2" - 0
7"	7-5/8"	2" - 0	2-1/2" - 1-1/2"
8"	8-5/8"	3" - 0	3-1/2" - 1-1/2"
10"	10-5/8"	5" - 0	5-1/2" - 3-1/2"
12"	12-5/8"	7" - 0	7-1/2" - 5-1/2"

* Based on nominal 4" outer wythe

CHOOSING THE RIGHT DRILL BIT

TYPICAL CTP STITCH-TIE MASONRY BIT SIZE

Façade Material	Stitch-Tie	BACK-UP MATERIAL								
		Mortar Joint	Brick	CMU Hollow	CMU Solid	Concrete	Wood Stud	Metal Stud	Tile	Plywood & OSB
Mortar Joint	8mm	3/16"	1/4"	3/16"	3/16"	1/4"	3/16"	3/16"	3/16"	3/16"
	10mm	1/4"	5/16"	1/4"	5/16"	5/16"	1/4"	1/4"	1/4"	1/4"
Brick	8mm	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"	1/4"
	10mm	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"
CMU	Hollow	8mm	1/4"	3/16"	3/16"	1/4"	3/16"	3/16"	3/16"	3/16"
		10mm	1/4"	5/16"	1/4"	5/16"	5/16"	1/4"	1/4"	1/4"
	Solid	8mm	1/4"	7/32"	3/16"	3/16"	7/32"	3/16"	3/16"	3/16"
		10mm	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"
Precast Concrete	8mm	1/4"	1/4"	1/4"	1/4"	7/32"	1/4"	1/4"	1/4"	1/4"
	10mm	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"
Stone	8mm	1/4"	7/32"	1/4"	1/4"	7/32"	1/4"	1/4"	1/4"	1/4"
	10mm	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"	5/16"

QUALITY ASSURANCE

ON-SITE TESTS

Site testing is encouraged for verification of load capacity. CTP Stitch-Ties® can be load tested to verify the strength of the connection. Our Construction Tie Products field test appliance is custom designed for this purpose. A test key, sized for the appropriate diameter of the CTP Stitch-Tie®, is quickly attached to the specimen and a test load applied. The easily read dial indicates the applied load.



Mortar Joint Performance Test



Pull-Out Capacity Brick



Pull-Out Capacity Tile