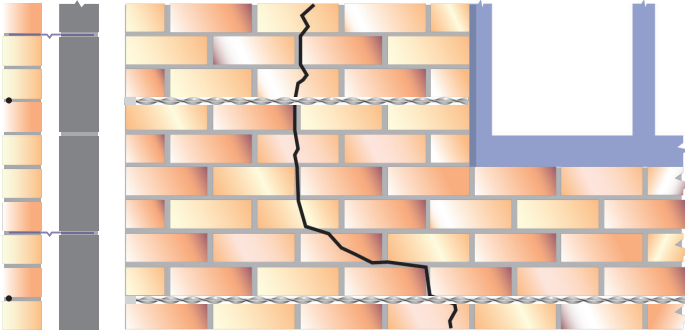


CRACK-STITCHING A CAVITY WALL USING STRUCSOL ULTRABAR



Recommended Tooling

- ▣ For cutting slots 40mm deep or over: Twin-bladed cutter with a vacuum attachment.
- ▣ For mixing StrucSol HSGrout: 3-jaw chuck drill with a mixing paddle.
- ▣ For injecting the StrucSol HSGrout, use the StrucSol Crack-stitching Gun and StrucSol Stainless Nozzle.
- ▣ To flatten the pointing, use the StrucSol Finger Trowel.
- ▣ For Injection of the StrucSol Crack Filler: A 400ml Mastic Gun is required.
- ▣ PPE Clothing and Protection.

General Notes

If you require specific advice on your project, please call the StrucSol technical help line 0116 2375082. We can supply a full support service which includes:

- ▣ Advice and assistance on all structural matters.
- ▣ Preparing repair proposals for specific projects.
- ▣

Method Statement:

1. Using a twin bladed wall chaser, cut horizontal slots into the mortar joints to the specified depth and at the required vertical spacing. Make sure that no mortar is left in the cut slots in order to give an excellent bond.
 2. Remove all dust and thoroughly flush with water. Make sure the slots are damp prior to injecting the StrucSol HSGrout.
 3. Mix StrucSol HSGrout cementitious grout using a StrucSol paddle (+3-jaw chuck drill) and put into the StrucSol Crack-stitching Gun.
 4. Inject a bead of StrucSol HSGrout, approx. 15mm deep, into the back of the slot.
 5. Push the 6mm StrucSol Ultrabar into the grout and ensure that it is fully covered in grout.
 6. Inject a second bead of StrucSol HSGrout over the exposed StrucSol Ultrabar and iron it into the slot using a finger trowel. Inject additional StrucSol HSGrout as necessary, leaving 10-15mm for new pointing.
 7. Point up the remaining slot with a suitable matching mortar and make good the crack using an appropriate bonding agent depending on the width of the crack.
 8. Point up the slots using a matching mortar. The cracks within the wall should be weather-proofed using StrucSol TE resin or StrucSol Crack Filler and leave ready for decoration. To achieve a near perfect look, use StrucSol Stain Colour Matching mortar.
- ▣ *Re-pointing can be carried out as soon as the StrucSol HSGrout has started to set and gel.*

SPECIFICATION NOTES

| | |
|---|---|
| A | Depth of slot into the masonry to be 35mm to 45mm. |
| B | Height of slot to be equal to full mortar joint height, (minimum 8mm). For thin mortar joint specifications refer to the StrucSol Technical Help Line. |
| C | StrucSol Ultrabar to be long enough to extend a minimum of 500mm either side of the crack or 500mm beyond the outer cracks if two or more adjacent cracks are being stitched using one rod. |
| D | Normal vertical spacing is 450mm (6 brick courses). |
| E | Where a crack is less than 500mm from the end of a wall or an opening, the StrucSol Ultrabar is to be continued for at least 100mm around the corner and bonded into the adjoining wall or bent back and fixed into the reveal, avoiding any DPC. |
| F | In hot conditions,, ensure the masonry is well wetted or primed to prevent premature curing of the StrucSol HSGrout due to rapid de-watering. |
| G | Do not use StrucSol HSGrout when the air temperature is 4°C and falling, or apply over ice. In all instances, the hole MUST be thoroughly damp or primed prior to injection of the StrucSol HSGrout. |
| The above specification notes are for general guidance only and StrucSol reserve the right to amend as necessary. | |

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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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