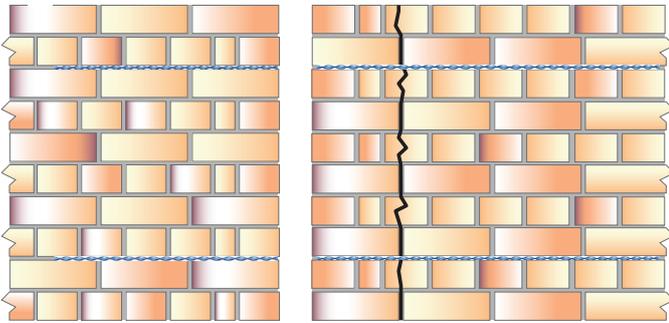


REPAIR OF A CRACK NEAR A CORNER IN A CAVITY WALL USING STRUCSOL ULTRABAR



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. 10mm deep into the back of the slot.
 5. Insert the first 6mm StrucSol Ultrabar into the grout and obtain a good coverage.
 6. Apply a further bead of StrucSol HSGrout over the StrucSol Ultrabar leaving 10 - 15 mm to re-point.
 7. 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 to a minimum of 35mm to 45mm.
B	The height of the slot should be the full mortar bed height (minimum 10mm) For thinner mortar joints, please contact the StrucSol Technical Help Line.
C	The StrucSol Ultrabar will be long enough to extend a minimum of 500mm either side of the crack, or multiples of cracks if using just one Ultrabar.
D	Normal vertical spacing is 450mm (6 brick courses).
E	Where a crack is less than 300mm from the end of a wall or an opening, the StrucSol Ultrabar is to be continued for at least 500mm around the corner and bonded into the adjoining wall.
F	In hot conditions,, ensure that the masonry is flushed with water to prevent the premature curing of the StrucSol HSGrout. This should be carried out prior to injecting the StrucSol HSGrout into the mortar joint slots.
G	Do not use StrucSol HSGrout if the air temperature falls below 5°C or if ice starts to develop around the affected area.
The above specification notes are for general guidance only and StrucSol reserve the right to amend as necessary.	