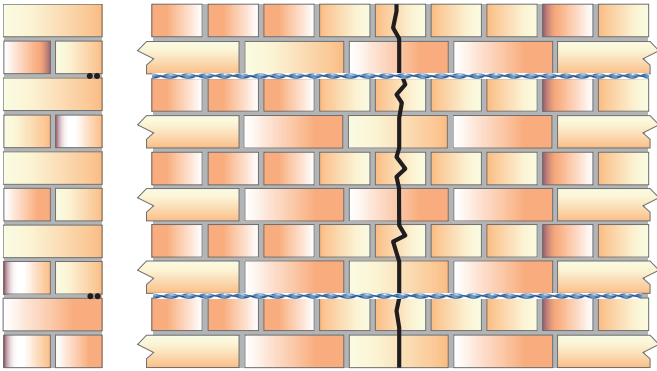


CREATING A STRUCTURAL BEAM IN SOLID WALLS USING STRUCSOL ULTRABAR



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.
7. Apply the second 6mm StrucSol Ultrabar etc..
8. Apply a further bead of StrucSol HSGrout leaving 10– 15mm for new pointing.
9. Compact the grout and Ultrabar into the slot using a StrucSol Finger Trowel.
10. Re-point the slot using suitable matching mortar, and make good the cracks using StrucSol TE resin, or StrucSol Crack Filler and StrucSol 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 45mm to 55mm.
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 from 100mm to 900mm.
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 500mm around the corner and bonded into the adjoining wall.
F	To join the StrucSol Ultrabar overlap by a minimum of 500mm.
G	Do not use StrucSol HSGrout if the air temperature falls below 5°C or if ice starts to develop around the affected area.
H	In hot conditions,, ensure that the masonry is flushed with water to prevent the premature curing of the StrucSol HS-Grout. This should be carried out prior to injecting the StrucSol HSGrout into the mortar joint slots.
	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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