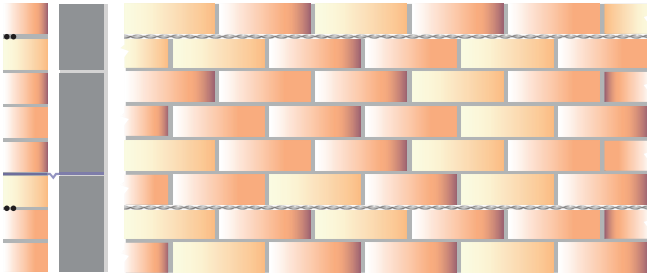


## CREATING LOAD BEARING BEAMS IN CAVITY WALLS USING STRUCSOL ULTRABAR – EXTERNAL BEAMING ONLY



### 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 injection of StrucSol HSGrout: Applicator gun + nozzle.
- ❏ For smoothing pointing: Standard 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.

### 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 prior to commencing step 4.
3. Mix StrucSol HSGrout cementitious grout 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 first 6mm StrucSol Ultrabar into the grout to obtain good coverage and inject a second bead of StrucSol HSGrout over the exposed StrucSol Ultrabar.
6. Push the second 6mm StrucSol Ultrabar into the grout to obtain good coverage.
7. Inject a third 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.
8. Point up the remaining slot, with matching mortar to suit.

- ❏ *Pointing may be carried out as soon as the StrucSol HSGrout has started to set and gel.*

### SPECIFICATION NOTES

<b>A</b>	Depth of slot into the masonry to be 45mm to 55mm.
<b>B</b>	Height of slot to be equal to full mortar joint height, (minimum 10mm). For thin mortar joint specifications refer to the StrucSol Technical Help Line.
<b>C</b>	If StrucSol Ultrabar is to be joined in a straight run, overlap the Ultrabars by a minimum of 500mm.
<b>D</b>	Top and bottom reinforcements should be positioned as far apart as practicable, up to a maximum distance equivalent to 12 brick courses, (approx. 900mm).
<b>E</b>	Any fractures in the masonry within the 'beam zone' MUST be stabilised by crack-stitching, TE resin or replacement of the masonry.
<b>F</b>	Any missing or very poor quality masonry MUST be replaced.
<b>G</b>	If existing wall ties are defective in any way, additional wall ties should be installed.
<b>H</b>	Multiple SureBeams should be installed starting at the top and working down to the bottom.
<b>I</b>	In hot conditions,, ensure the masonry is well wetted or primed to prevent premature curing of the StrucSol HSGrout due to rapid de-watering.
<b>J</b>	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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