

MASONRY ARCH SOFFIT CRACK-STITCHING USING STRUCSOL ULTRABAR (1 OF 2)

Recommended Tooling

- ✦ For cutting slots up to 40mm deep: Twin bladed wall chaser and vacuum attachment.
- ✦ For drilling: SDS Rotary hammer drill 650 / 700w.
- ✦ For mixing StrucSol HSGrout: 3-jaw chuck drill with mixing paddle.
- ✦ For injection of StrucSol HSGrout into slots: Applicator gun + Mortar Nozzle.
- ✦ For injection of StrucSol HSGrout into holes: Applicator gun + pinning 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

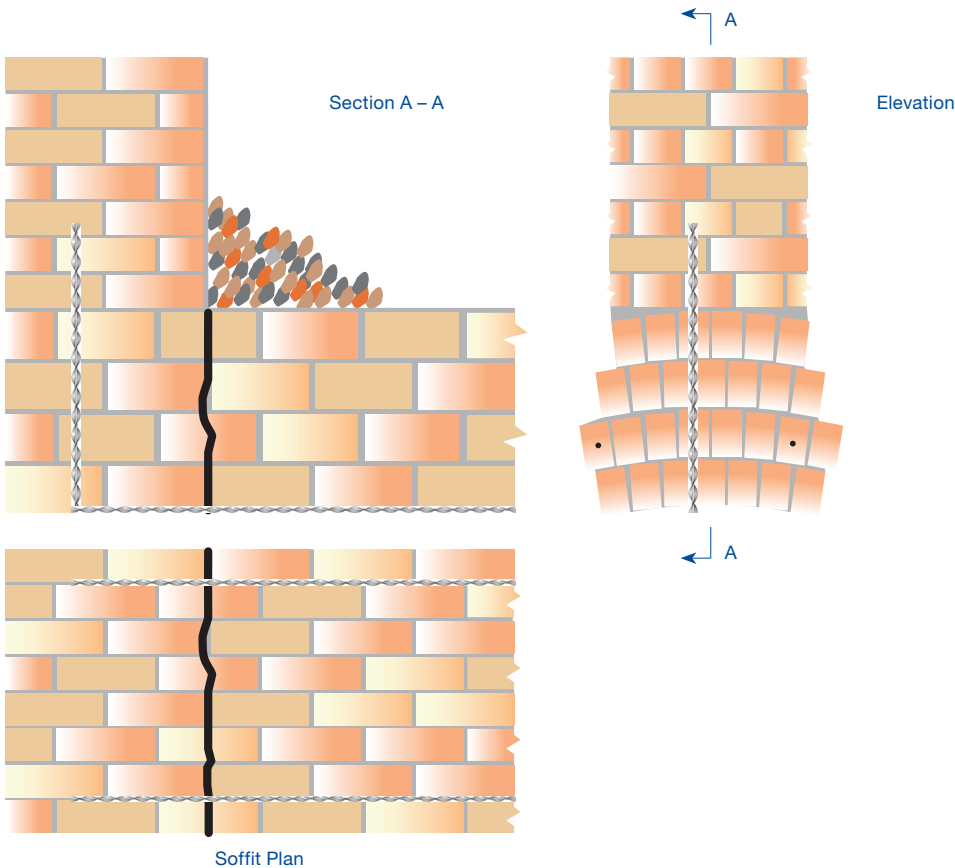
If you require specific advice on your project, please call the StrucSol technical help line 0116 2375082. We can supply a full support service which includes:

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

Method Statement:

1. Using a twin bladed wall chaser and vacuum attachment, cut slots into the brickwork to the specified depth and at the required vertical spacing. Ensure that no mortar is left attached to the exposed brick surfaces in order to provide a good masonry / grout bond.
 2. Where required, drill 14mm clearance holes to the required depth at the ends of the slot.
 3. Clean out ALL dust from the hole and thoroughly flush with water. Ensure the hole is damp or primed prior to commencing step 8.
 4. Attach the required length of the Grout Tie Pinning Nozzle to the gun.
 5. Mix StrucSol HSGrout using a power mixer and load into the Grout Tie Pointing Gun.
 6. Pump grout to fill the nozzle.
 7. Insert the nozzle to the full depth of the drilled hole and pump the grout to fill the hole. Maintain the grouting pressure to ensure that all voids are filled with grout.
 8. Change the pinning nozzle for a Mortar Nozzle and inject a bead of StrucSol HSGrout, approx. 15mm into the back of the slot.
 9. Bend the StrucSol Ultrabar to the correct shape, and insert the end into the full depth of the grout filled hole. Push the remainder of the StrucSol Ultrabar into the bead of grout in the slot to obtain good coverage.
 10. Inject a second bead of StrucSol HSGrout over the exposed rod and iron into the slot using a finger trowel. Inject additional StrucSol HSGrout as necessary, leaving 10-15mm for new pointing.
 11. Point up the slots using a matching mortar, then make good all the holes at the surface and cracks 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.
 12. Clean tools with clean, fresh water.
- ✦ *Note: Pointing may be carried out as soon as is convenient after the StrucSol HSGrout has started to gel.*
 - ✦ *For structural bridge or tunnel repairs refer to StrucSol Technical Dept..*

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SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise.

- A** Nominal spacing between crack stitches to be 450mm.
- B** Depth of slot to be approx. 40mm and full width of the mortar joint.
- C** In hot conditions, ensure the masonry is well wetted to prevent premature curing of the StrucSol HSGrout due to rapid de-watering. Ideally additional wetting of the slot should be carried out just prior to injecting the StrucSol HSGrout.
- D** Do not use StrucSol HSGrout when the air temperature is 4°C and falling, or apply over ice. In all instances, the slot MUST be thoroughly damp or wetted 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.