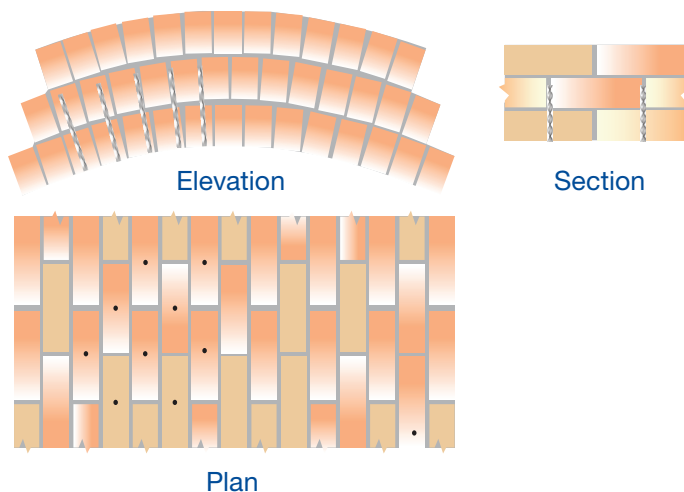


MASONRY ARCH PINNING OF DEBONDED BRICKS USING GROUT TIES



Method Statement:

1. Mark all the loose bricks that require pinning.
2. Drill 14mm clearance holes to the required depth within the centre third of each marked brick.
3. Clean out ALL dust from the hole and thoroughly flush with water. Ensure the hole is damp or primed prior to commencing steps 9 and 10.
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. Wind the Grout Tie into the nozzle and ensure that it is fully covered in grout.
8. Insert the nozzle to the full depth of the drilled hole and pump the grout.
9. Leave the ties for 24 hours for the grout to achieve an initial set.
10. Make good all the holes at the surface 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.
11. Clean tools with clean, fresh water.

Recommended Tooling

- ▢ For drilling: SDS hammer drill 650 / 700w.
- ▢ For mixing StrucSol HSGrout: 3-jaw chuck drill with a mixing paddle.
- ▢ For injection of StrucSol HSGrout into slots: Applicator gun + Mortar Nozzle.
- ▢ 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.

- ▢ *If there is a lot of movement in the bricks then they should be temporarily restrained with either a steel mesh, props or timber wedges prior to the Grout Ties being installed.*
- ▢ *Pointing may be carried out as soon as is convenient after the StrucSol HSGrout has started to gel.*

SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise.

A	Length of Grout Ties to be sufficient to allow 70mm penetration into sound bricks.
B	Depth of hole to be Grout Tie length +25mm.
C	In hot conditions, ensure the masonry is well wetted or primed to prevent premature curing of the StrucSol HSGrout due to rapid de-watering.
D	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.	