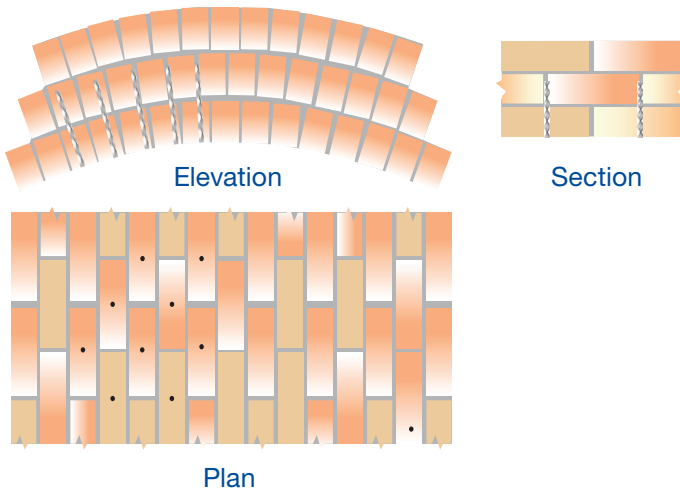


MASONRY ARCH PINNING OF DEBONDED BRICKS USING MECHANICAL TIES



Method Statement:

1. Mark all loose bricks that require pinning.
2. Drill pilot holes to the required depth using a percussion 3-jaw chuck drill for an 8mm tie, or a SDS hammer drill for both the TC8mm and TC9mm ties. (Dia. to be decided once an on-site test has been made to decide the optimum performance of the tie).
3. Install the Mechanical Ties into the pilot holes using a Power Support Tool fitted to a SDS hammer drill.
4. 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.

⚠ If the second brick ring is found to be unsound. Grout Ties should be used instead of Mechanical Ties – refer to Repair Detail GTA01

Recommended Tooling

- ⚠ For drilling: Rotary percussion 3-jaw chuck drill, or a SDS Rotary hammer drill.
- ⚠ For installation of Mechanical Ties: Power Support Tool fitted to SDS Rotary hammer drill 650 / 700w. Drill set to hammer only.
- ⚠ 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.

SPECIFICATION NOTES

The following criteria are to be used unless specified otherwise.

A Length of Mechanical Ties to be sufficient to allow 70mm penetration into sound bricks.

B Depth of hole to be Mechanical Tie length +10mm.

The above specification notes are for general guidance only and StrucSol reserve the right to amend as necessary.