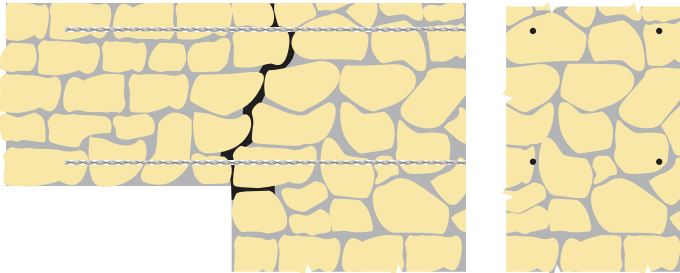


## REPAIR OF INTERNAL AND EXTERNAL CRACKS NEAR A CORNER IN A STONE WALL USING GROUT TIES



### Recommended Tooling

- ▣ For drilling: SDS rotary hammer drill 650 / 700w.
- ▣ For mixing StrucSol HSGrout: 3-jaw chuck drill with mixing paddle.
- ▣ For insertion of the Grout Ties: Pointing Gun HD with pinning 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.

### Method Statement:

1. Mark hole positions on the wall.
2. Drill 16mm clearance holes through the wall to the required depth.
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 Grout Tie Pinning Nozzle to the gun.
5. Mix StrucSol HSGrout using a power mixer and load into the Pointing Gun HD.
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. 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.
10. Clean tools with clean, fresh water.

### SPECIFICATION NOTES

|   |   |
|---|---|
| <b>A</b>  | Grout Ties are to be installed at a vertical spacing of 450mm.  |
| <b>B</b>  | Grout Ties are to extend at least 500mm past the crack.   |
| <b>C</b>  | Depth of hole to be Grout Tie length +25mm.   |
| <b>D</b>  | Ensure the Grout Ties are installed into solid stone and not into the mortar joints or loose rubble within the wall.  |
| <b>E</b>  | If cracking occurs on both elevations, consider using StrucSol Ultrabar crack-stitching around the corner. If Grout Ties are to be used, they should be staggered between each elevation.             |
| <b>F</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>G</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. |   |