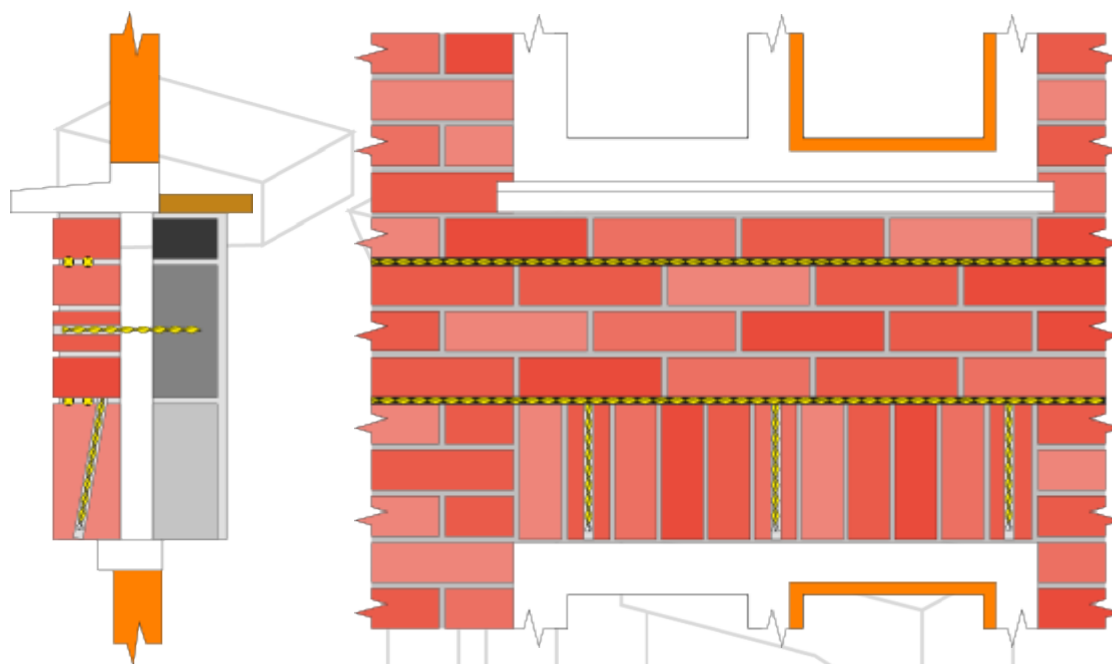


# How to.....?

## Repair Failed Soldier Course Lintels



### **METHOD STATEMENT**

1. Rake out or cut slots into horizontal mortar joint to specified depth and at required locations. Vacuum out the slots and thoroughly flush with water.
2. Insert a 10mm (approx) depth bead of Bond Flex cementitious grout into back of the top slot only. Push Bar Flex rod into the bead of grout to obtain good even coverage. Insert a second 10mm (approx) depth bead of Bond Flex cementitious grout up against existing grout in top slot only. Push second Bar Flex rod into the bead of grout to obtain good even coverage. Insert a bead of Bond Flex cementitious grout over the exposed rod in the top slot and iron in to the slot using the finger trowel.
3. Locate and mark positions of holes on undersides of soldier course. Drill a clearance hole (13mm-14mm diameter depending upon material) at required angle and to required depth. Angle of drilling should be such that the hole will pass behind the lower Bar Flex (when installed) and penetrate at least 50mm into the course of masonry above the reinforcing.
4. Blow out hole and thoroughly flush with water. Mix Bond Flex cementitious grout and load into gun with required length of correct size extension nozzle already attached.
5. Pump cementitious grout to outlet of nozzle. Insert nozzle to the full depth of drilled hole and pump grout to fill hole. Keep light pressure on gun to ensure that all voids are filled with grout. Wind correct length Cem Flex into the hole using the Cem Flex insertion tool. Make good at surface of all holes and leave ready for any decoration.
6. Install lower pair of Bar Flex as per 2 above, point up or fill the joint and leave ready for any decoration.

### **Guidance Notes : Unless specified otherwise the following criteria are to be used.**

- a. Depth of slot to be 40 to 55mm
- b. Where the Bar Flex have to be joined in long runs a minimum of 500mm overlap should be allowed.
- c. Top and bottom reinforcements should be positioned as far apart as practicable, up to a maximum distance equivalent to 12 brick courses (approx 900mm).