

## **NBS Specification Section C41**

### **625 REPAIR OF CRACKS IN BRICKWORK BY RESIN INJECTION**

- The extent of work is as shown on the survey photographs
- The purpose of the repair is to stick cracked sections of brick together to restore the strength of the element and/or prevent moisture ingress into the crack.
- Carefully clean out the crack using an etching tool. This should not increase the width of the original crack by more than 0.05mm.
- Method:
  - rake out mortar jointing to a depth of 25mm for a minimum of one brick length either side of the crack.
  - drill 3mm diameter hole into each brick to approximately half the depth of the crack.
  - insert small tubes into these holes.
  - cover face of crack and fill raked joints with non-staining plastic clay.
  - starting at lowest hole, inject resin into each tube using a hypodermic syringe, until full.
  - when filling is complete and the initial has occurred remove the clay.
  - repoint the joints.

- Resin:

to be Rotafix CB 10T manufactured by Rotafix Resins (01639 730481) unless noted otherwise.

- Reinforcement:

Joints to be reinforced with Rotaflex rods in accordance with the manufacturer's recommendations.

- Specialist contractor:

The resin injection is to be undertaken by a contractor recommended by Rotafix.

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