



INFORMATION SHEET – CRACK REPAIRS – STITCH CRACK REPAIR METHOD

This general information sheet is a step by step remedial method for the repair of cracking within internal plastered wall where the cracking is generally over 2.0mm, which includes rods being inserted within the brickwork at the location of the cracking to bond masonry each side of the crack together.

- Remove all undulating, loose plaster including cement render from the affected area so that the brick substrate behind is exposed.
- Cut 250mm long grooves approximately 15mm wide x 15mm deep at 90 degrees to the wall crack/s with the grooves spaced 100mm apart.
- Remove all dust and loose particles from cut grooves and the surrounding area (ideally flush with water).
- Prepared a sufficient number of galvanised 6mm threaded rods x 200mm long (one each for each groove cut).
- Inject Epoxy resin (similar to Pure 150 Pro or similar) into each groove and insert the pre-prepared 200mm threaded rods within the newly cut grooves and wipe off any excess resin back to the face of the brick.
- Once the epoxy is dry re-plaster the affected area with a sand/cement render or a product similar to CSR Base Coat.
- Upon the render (or Base Coat) is dry final finish with a plaster based filler, such as CSR Rapid Patch or similar.
- Repaint the affected area; this may require the entire wall (from corner to corner of the room) being painted, as painting patched area only is often noticeable with shade variations in the painted surfaces.

Notes:

- We do not endorse any particular brand and any other similar product or brand material can be used.
- Works should be performed by experienced persons.
- A safe work method should be adopted in advance of any works performed, including but not limited to assessing the location of plumbing or gas pipes as well as electrical cables, PPE, etc.
- Due to cracking already appearing within the building the above method will assist in re-bonding masonry, however may not prevent cracking from reappearing (generally if cracks do reappear at the same locations the cracks will be less severe than previous with the appears of hairline cracks).

The above advice is only general in nature; ideally an onsite assessment of the cracking should be carried out by a suitably qualified building inspector, experienced builder or structural engineer to confirm the proposed remedial method is suitable for the individual situation.

For further advice please do not hesitate to contact our Inspector directly on mobile telephone 0409 906 688.

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