

BMA07

Masonry arch pinning of debonded bricks using DryFix

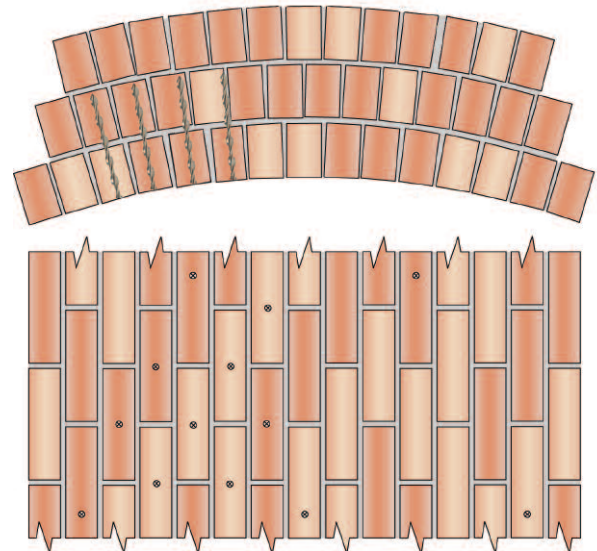
| Product | Description | Code |
|---------|------------------------------------|------|
| DryFix | Stainless steel dry pinning system | HDF |

METHOD STATEMENT

1. Mark all loose bricks that require pinning.
2. Drill 5mm Ø pilot holes to the specified depth using a light-weight electric drill.* A rotary percussion 3-jaw chuck drill should be used as standard. A light-weight SDS hammer drill may be preferred if the masonry is sufficiently dense to withstand the heavier SDS hammer action. A 6mm or 6.5mm Ø pilot hole size may be preferred in the masonry is particularly hard.
3. Attach a Helifix Power Driver Attachment to an SDS hammer drill set to a slow speed and light hammer only. (DryFix ties are self-tapping and will work themselves into the wall following the hammer action of the drill.)
4. Support the power driver attachment with one hand, while using the other to work the drill, and drive the DryFix ties into the pre-drilled pilot holes to approximately 10mm beyond the surface of the arch.
5. Make good the DryFix holes using either a mixture of sand, cement and oxide colouring to match the original surrounding brick surfaces or a silicone sealant coated with brick dust or drillings.

NOTE. Avoid leaning or pushing heavily on the drill during operation to ensure the accuracy of the hole's diameter and to limit spalling of the near leaf as the drill breaks into the cavity.

CAUTION. Always locate, identify and isolate any electrical, water or gas services which may be present in the wall or the wall cavities and can pose a safety risk before drilling or cutting. Always take the necessary safety precautions. Use electrical safety gloves and wear appropriate footwear and eyewear.



RECOMMENDED TOOLING

For drillingRotary percussion or SDS rotary hammer drill 650/850w
 For installation of DryFixSDS rotary hammer drill and DryFix Power Driver Attachment

* Specification Notes

The following criteria are to be used unless specified otherwise:

- A. DryFix ties to be should be sufficiently long to penetrate 70mm into sound bricks. If the second brick ring is found to be unsound then CemTies should be used instead of DryFix. Refer to detail BMA06.
- B. Depth of pilot hole to be DryFix tie length + 10mm.

The above specification notes are for general guidance only and Helifix reserves the right to amend details/notes as necessary.

GENERAL NOTES

- Helifix product details available at www.helifix.com.au.
- If your application differs from this repair detail or you require specific technical information, call Helifix on 1300 66 70 71.