

BACKFILLING UNUSED CAST-IN COLLARS

If a Snap Cast-in collar has been cast into a slab and is no longer required, it is important to backfill the collar to ensure that the Fire Resistance Level (FRL) of the cement slab is not affected by the unused penetration.

The following method was used in BRANZ Test Report FR5670 (Specimen 20), available on the SNAP Fire Systems Website: www.snapcollars.com.au

Materials Needed

- Tin Snips or similar
- Drill
- Square tin plate at least 20mm larger than plastic casing base of collar
- Steel Concrete screws (Non Alloy)
- Concrete

Method

1. Pull intumescent and mesh lining (grey material on inside of collar) out of the collar and discard.
2. Using tin snips, cut plastic fuselinks holding arms of springs together. N.B. springs will release with a great amount of force so be sure fingers are not in the way of the spring arm arc when it is released.
3. Drill pilot holes through tin plate.
4. Drill pilot holes into concrete slab using tin plate holes as a template.
5. Secure tin plate to underside of slab with concrete screws ensuring that the plastic casing base is completely covered.
6. Completely fill collar from above with concrete to a minimum 150mm depth and finish flush with top of slab.

