

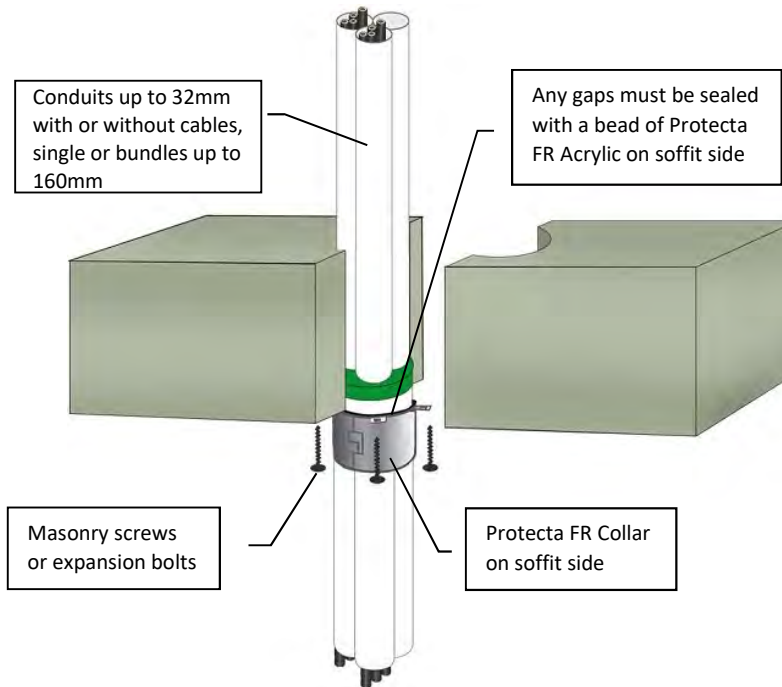
Protecta FR Collar

Concrete or AAC Floor min 100mm

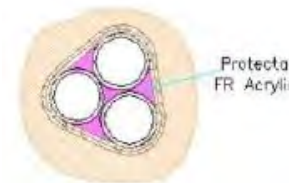
Conduits - Single or Bundled, Rigid or Flexible

Installation Instructions

1. A single collar is installed on the underside of the floor.
2. Before fitting the collar ensure that any gaps between the conduits and the floor slab are sealed with 10mm deep Protecta® FR Acrylic on 40mm deep backing of stonewool. (Any stonewool, rockwool or mineral wool of density 33kg/m³ is acceptable). Alternatively FR Acrylic to the full depth of the stonewool may be used if more convenient.
3. Place a collar around the conduits and ensure that the fixing lugs are positioned tightly to the surface of the floor so that the fixings can be inserted fully.
4. Where the surface is uneven, apply a sealing bead of Protecta® FR Acrylic between the floor and the collar.
5. Attach the collar with steel screws or fixings that are suitable for the substrate that the collar will be fitted to.
6. On sites where the penetration size is greater than the conduits' diameter and/or the conduits are on an angle, an oversized collar can be used, i.e. the internal diameter of the collar can be larger than the conduits.
7. For visual integrity gaps between conduits and collar may optionally be sealed with a thin bead of FR Acrylic sealant.



NOTE: Smaller conduits can be bundled up to 160mm diam and wrapped as a single unit. Fill annular space with FR Acrylic.



System/FPA Register ID# FC440

Products	Protecta FR Collar Protecta FR Acrylic
Application	Fire stopping of rigid or flexible conduits in concrete floors
Construction	Minimum floor thickness of 100mm* and comprise aerated concrete or concrete with a minimum density of 650kg/m ³

Fire & Sound classification:

Each conduit can be up to 32mm diam and be of PVC-C, PVC-U, PE, HDPE, PEX, ABS or SAN+PVC. Cables can be electrical, fibre optic or data up to 21mm diam.

Conduits up to 32mm diam in bundles up to 110mm, 50mm high collar FRR -/90/90

Conduits up to 32mm diam in bundles up to 160mm, 60mm high collar FRR -/90/90

*FRRs shown are for a 150mm floor. Where the FRR of a thinner floor is less than these ratings then the FR Collar rating must be reduced to the FRR of the floor or use NZAS 3600:2018

Over-sized collars of any dimension approved (see pages 9 & 52), subject to:
 Max angle 45°
 Max FRR -/120/120
 Max collar size 160mm
 Max average annular space 55mm

ZERO Smoke at 200Pa

Sound reduction (seal only) STC 58

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