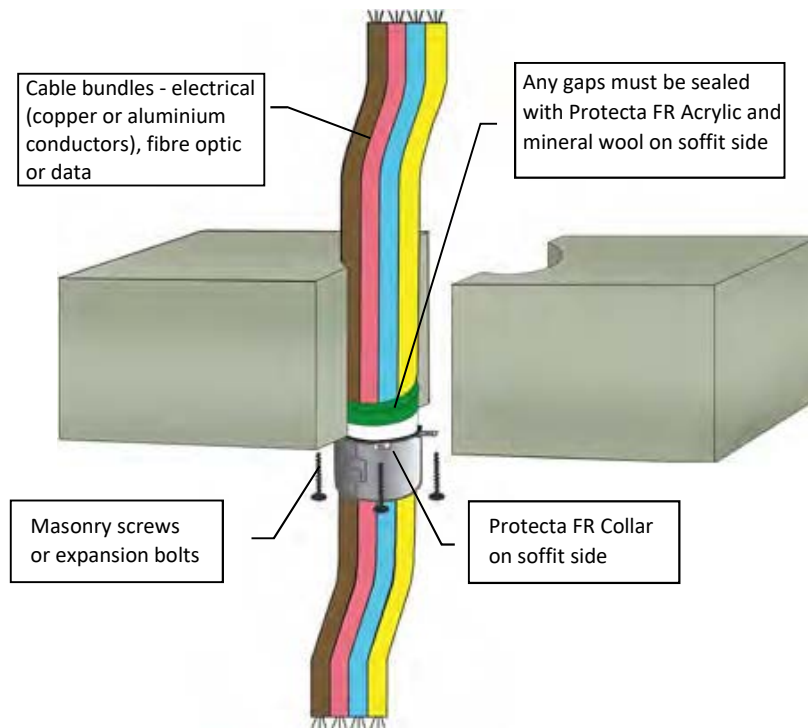


Protecta FR Collar Cable Bundle in 100mm Concrete Floor

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 cables and the floor slab are sealed. Gaps between the cables and the floor below 10mm must have 20mm deep stonewool to plug the opening, and for gaps 10mm or above, the seal must be plugged 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 cables 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 cable diameter and/or the cables are on an angle an oversized collar can be used, i.e. the internal diameter of the collar can be larger than the cables.
7. For visual integrity gaps between cables and collar may optionally be sealed with a thin bead of FR Acrylic sealant.



warringtonfire

FAS 190125 AS1530.4-2014 AS4072.1-2005

System/FPA Register ID# FC442

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

Fire & Sound classification

Cables up to 21mm diam, bundles up to 55mm,
30mm high collar FRR -/120/120

Cables up to 21mm diam, bundles up to 100mm,
50mm high collar FRR -/90/90

Cables up to 21mm diam, bundles up to 160mm,
60mm high collar FRR -/180/180

*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 leakage up to 200Pa with 10mm FR Acrylic

Sound reduction (seal only)

STC 58

Sheet size:

A4

Drawn date & no:

28/7/21

Scale:

NTS

Drawn by:

K.B

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