



FIRESTOP CENTRE

Authorised New Zealand Distributor
Ph (09) 483 4000 www.firestopcentre.co.nz

FIRESTOP Duct Wrap-38 Circular duct (up to 1000mm diam) in a square or core-drilled aperture Concrete Floor (90mm thick or greater) Internal Fire



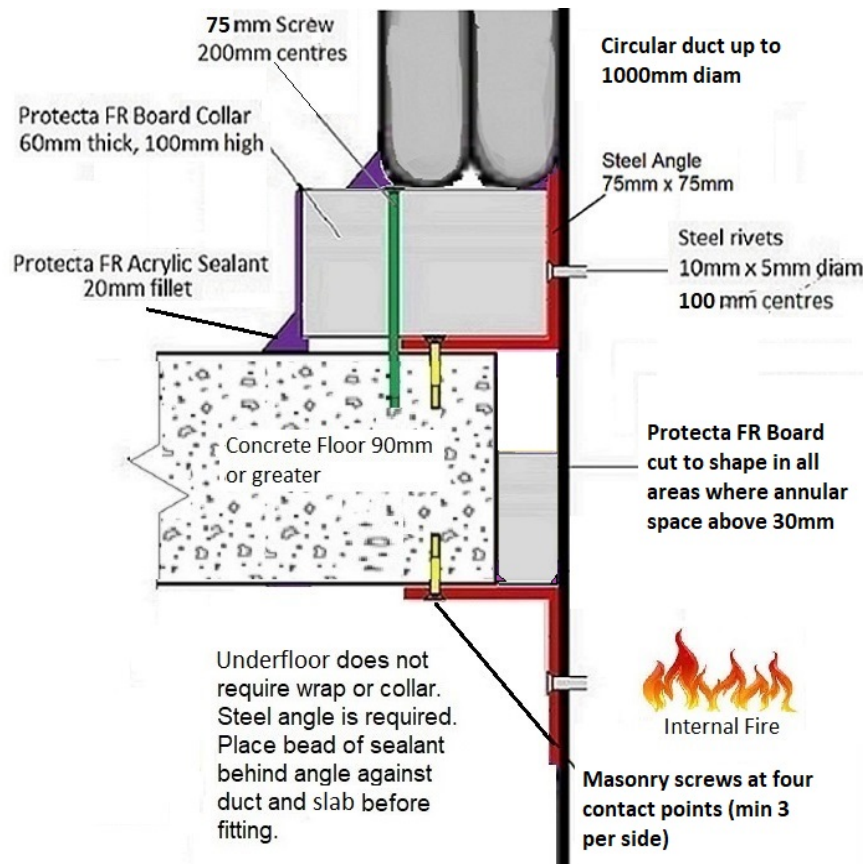
Report FTSL AR23108, Pages 11, 17, 19
FAS AS1530.4-2014 AS4072.1-2005

System ID# FC503

INSTALLATION INSTRUCTIONS

1. Square aperture with annular gap no greater than 30mm at the four contact points. Cut Protecta FR Board 60mm to shape and friction fit in all four corners of the aperture flush with the underside of the floor where the annular space is above 30mm.
2. Seal all junctions where the FR Board meets the duct or the floor and seal the 30mm annular gap at the four contact points with 20mm deep Protecta FR Acrylic Sealant. (NOTE: For core-drilled holes no board is required. Simply fill annular gap with compressed wrap material and apply 20mm sealant to 10-30mm annular gap top and bottom).
3. Attach 0.8mm thick slotted steel angle 75mm x 75mm bent around the duct on all sides.
Fix to the duct with steel rivets 10mm x 5mm diam at 100mm centres in the centre of the angle.
Fix to the floor with masonry screws (min 40mm) at the four contact points with a minimum of 3 fixings per side (or at 200mm centres for core-drilled). Seal any joints or gaps with Protecta FR Acrylic Sealant.
4. On the top side construct a collar from 60mm Protecta FR Board to cover the opening from the duct to the floor. Overlap the concrete 100mm. Fix to the floor with 8-10g x 75mm screws with penny washers at 200mm centres.
5. Use Protecta FR Acrylic Sealant to fill any gaps in the collar. Then apply a 20mm fillet at the floor/collar joint and the duct/collar/angle joint. Finally cover the exposed cut edges of the collar with Protecta FR Acrylic or Protecta FR Coating.
6. Install the Firestop Duct Wrap on the top side only and seal the wrap/collar junction with Protecta FR Acrylic.

NOTE: Diagram shows 2 layer system, but see details on right for number of layers



Products	FIRESTOP Duct Wrap-38 Protecta FR Board Protecta FR Acrylic
Application	Fire stopping of circular duct penetrating a concrete floor
Construction	Concrete floor slab min 90mm thick

Fire Classification
NOTE: For general instructions on installing FIRESTOP Duct Wrap-38 see [Installation Instructions](#) sheet on Firestop Centre website.

Internal Fire
For ducts up to 1000mm diam

Single layer wrap	FRR 120/120/-
Add 600mm 2nd layer	FRR 120/120/30
Add 1900mm 2nd layer	FRR 120/120/60
Add 2040mm 2nd layer and 1660mm 3rd layer	FRR 120/120/120

NOTE: Where floor FRR is less than above reduce penetration rating to match the floor.

As a part of our policy of on-going product development and testing, we reserve the right to modify, alter or change product specifications without giving notice. All information contained in this document is given in good faith and is provided for guidance only. Any drawings provided are for illustrative purposes only. As Firestop Centre has no control over the methods or competence of installation and of prevailing site conditions, no warranties, expressed or implied are intended to be given as to the actual performance of the product mentioned or referred to herein and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given.

For all technical details on the products specified please refer to the technical data sheets that can be found on www.firestopcentre.co.nz

Signed and approved:



Firestop Centre Ltd
657 Great South Road
Penrose, AUCKLAND

Sheet size: A4	Drawn date & no: 20/5/24
--------------------------	-----------------------------