



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 rectangular aperture Concrete Floor (120mm thick or greater) Internal Fire

FireTS Lab

Report FTSL AR23108, Pages 8, 19-21, 28

FAS AS1530.4-2014 AS4072.1-2005

System ID# FC503

Products	FIRESTOP Duct Wrap-38 Protecta FR Board FIRESTOP Ultra sealant
Application	Fire stopping of circular duct penetrating a concrete floor
Construction	Concrete floor slab min 120mm 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 1600mm 2nd layer	FRR 120/120/30
Add 2100mm 2nd layer	FRR 120/120/120

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



FIRESTOP

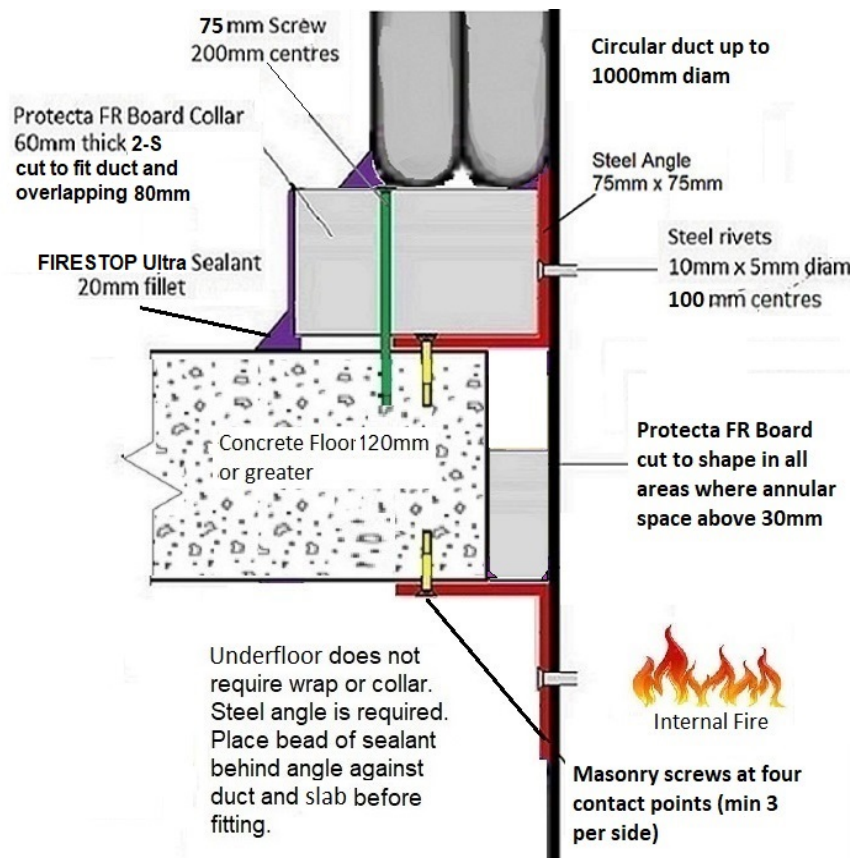
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INSTALLATION INSTRUCTIONS

1. Rectangular aperture with annular gap 20-170mm but no greater than 30mm at the four contact points. Cut Protecta FR Board 60mm 2-S to shape and friction fit in all four corners of the aperture flush with the underside of the floor wherever 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 FIRESTOP Ultra sealant.
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.
Fix to the floor with masonry screws (min 40mm) at the four contact points with a minimum of 3 fixings per side. Seal any joints or gaps with FIRESTOP Ultra 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 80mm. Fix to the floor with 8-10g x 75mm screws with penny washers at 200mm centres.
5. Use FIRESTOP Ultra 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 FIRESTOP Ultra or Protecta FR Coating.
6. Install the Firestop Duct Wrap on the top side only and seal the wrap/collar junction with FIRESTOP Ultra.

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



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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: