



FIRESTOP CENTRE

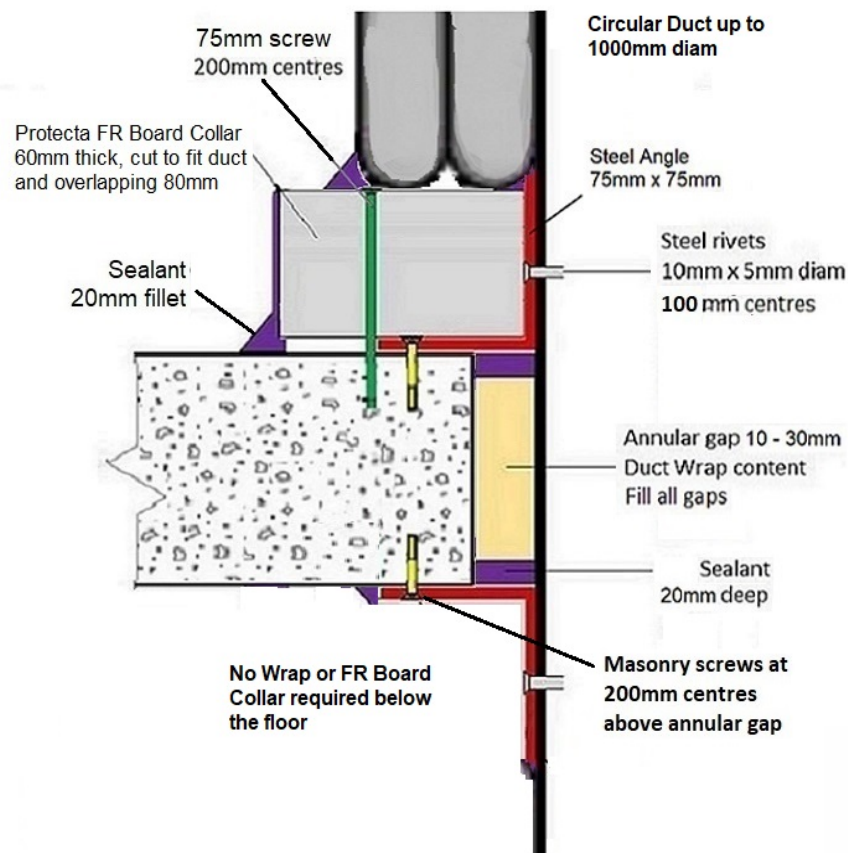
Authorised New Zealand Distributor
Ph (09) 483 4000 www.firestopcentre.co.nz

INSTALLATION INSTRUCTIONS

1. Aperture to be core-drilled with annular gap no greater than 30mm.
2. Sealant for this system may be either Protecta FR Acrylic or FIRESTOP Ultra
3. Place unfoiled Firestop Duct Wrap material compressed nominally 30% into the annular gap leaving a 20mm recess top and bottom. Ensure any gaps in corners, etc are filled to the required compression.
4. Fill the recess with 20mm deep sealant top and bottom of the floor and apply a bead of sealant to the duct before attaching the angle.
5. Attach 0.8mm thick slotted steel angle 75mm x 75mm bent around the duct on top and bottom of the floor.
Fix to the duct with steel rivets 10mm x 5mm diam at 100mm centres.
Fix to the floor with masonry screws (min 32mm) at max 200mm centres with a fixing 50mm or less at end of each angle section.
6. On the top side only, construct a collar from Protecta FR Board (60mm 2-sided) curved to fit the duct and overlapping the floor by a minimum 80mm on all sides. Fix to the floor with min 8g x 75mm screws with penny washers at 200mm centres and max 50mm from each edge.
7. Use 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 sealant or Protecta FR Coating.
8. On the top side install the Duct Wrap layers as specified and seal the wrap/collar junction with a sealant fillet.

FIRESTOP Duct Wrap-38 Circular Duct (up to 1000mm diam) in a core-drilled aperture Concrete Floor (100mm thick or greater) Internal Fire

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:

FireTS Lab

Report FTSL AR23108, Pages 8, 15-18, 28
AS1530.4-2014 AS4072.1-2005

System ID# FC719

Products	FIRESTOP Duct Wrap-38 Protecta FR Board Sealant (FR Acrylic or Ultra)
Application	Fire stopping of circular duct penetrating a concrete floor
Construction	Concrete floor min 100mm thick

Fire Classification

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

FRR 60/60/-

Below floor single layer wrap
Above floor single layer wrap

FRR 60/60/30

Below floor single layer wrap
Above floor single layer with 1600mm second layer

FRR 120/120/90

Below floor double layer wrap
Above floor single layer wrap with 2100mm second layer

Where FRR of the floor is less than the above ratings, the FRR of the penetration is reduced to match the floor.



FIRESTOP

Firestop Centre Ltd
657 Great South Road
Penrose, AUCKLAND

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