



# 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 Wall (90mm thick or greater) Internal or External Fire



Report FTSL AR23108, Pages 11, 17, 19, 20  
FAS AS1530.4-2014 AS4072.1-2005

System ID# FC560

<b>Products</b>	FIRESTOP Duct Wrap-38 Protecta FR Board Protecta FR Acrylic
<b>Application</b>	Fire stopping of circular duct penetrating a concrete or masonry wall
<b>Construction</b>	Concrete or masonry wall min 90mm thick

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

<b>Internal Fire</b>	
For 90mm thick wall:	
Single layer wrap	FRR 60/60/30
Add 1900mm second layer	FRR 60/60/60
For 120mm thick wall:	
Single layer wrap	FRR 120/120/30
Add 1900mm second layer	FRR 120/120/60
Add 4300mm second layer	FRR 120/120/120
<b>External Fire</b>	
For 90mm thick wall:	
Double layer wrap	FRR 60/60/60
For 120mm thick wall:	
Double layer wrap	FRR 120/120/90



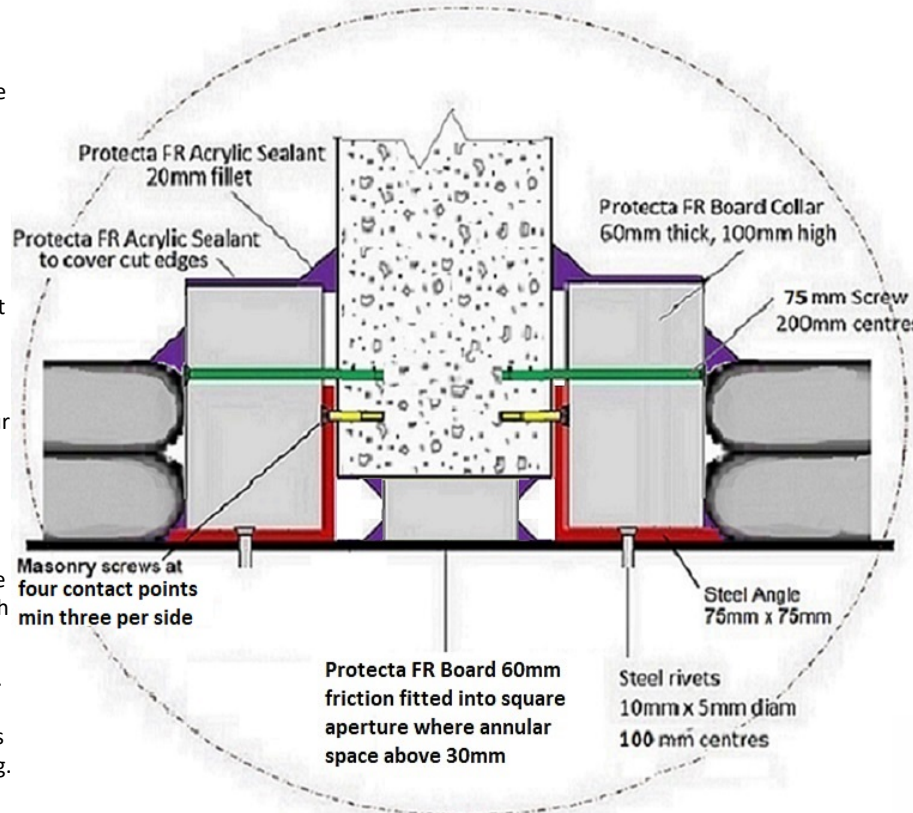
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Sheet size: **A4**      Drawn date & no: **20/5/24**

### INSTALLATION INSTRUCTIONS

- 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 where the annular space is above 30mm.
- Seal all junctions where the FR Board meets the duct or the wall and seal the 30mm annular gap at the four contact points with 20mm deep Protecta FR Acrylic Sealant. Seal both sides.  
(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 each side).
- 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 wall 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.
- Construct a collar from Protecta FR Board (60mm 2-sided) to cover the opening from the duct to the wall. Overlap the wall 100mm. Fix to the wall with 8-10g x 75mm screws with penny washers at 200mm centres.
- Use Protecta FR Acrylic Sealant to fill any gaps in the collar. Then apply a 20mm fillet at the wall/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.
- Install the Firestop Duct Wrap layers as specified 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



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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](http://www.firestopcentre.co.nz)

Signed and approved: