



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 aperture Concrete Wall (100mm thick or greater) Internal or External Fire



Report FTSL AR23108, Pages 22-24, 25-29

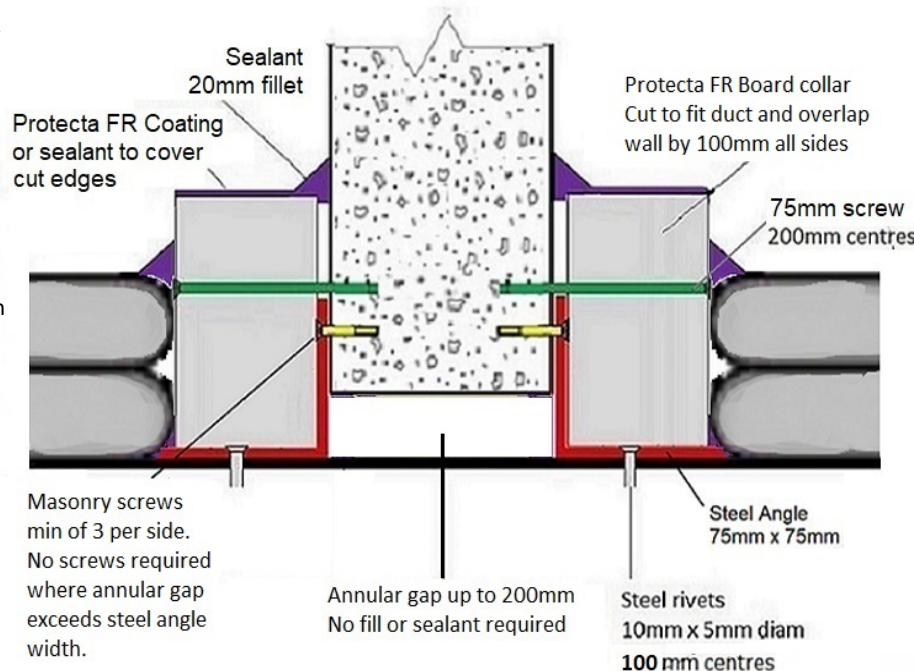
AS1530.4-2014 AS4072.1-2005

System ID# FC877

INSTALLATION INSTRUCTIONS

- Square aperture with annular gap up to 200mm but no greater than 30mm at the four contact points.
- Sealants permitted for this system are Protecta FR Acrylic or FIRESTOP Ultra. Either may be used.
- Apply a bead of sealant to the duct and then 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 wall with masonry screws (min 32mm) at the four contact points with a minimum of 3 fixings per side. There must be a fixing no greater than 50mm from the end of each angle section.
- Construct a collar from Protecta FR Board (60mm 2-sided) curved to fit the duct and overlapping the wall by a minimum 100mm on all sides. Fix to the wall with min 8g x 75mm screws with penny washers at 200mm centres and max 50mm from each edge.
- Use sealant to fill any gaps in the collar. Then apply a 20mm sealant fillet at the wall/collar joint and the duct/collar/angle joint. Finally cover the exposed cut edges of the collar with sealant or Protecta FR Coating.
- Install the Firestop Duct Wrap layers as specified and seal the wrap/collar junction with a sealant fillet.

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



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

Fire Classification	NOTE: For general instructions on installing FIRESTOP Duct Wrap-38 see Installation Instructions sheet on Firestop Centre website.
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Internal Fire	
Single layer wrap	FRR 120/120/30
Add 1900mm second layer	FRR 120/120/60
Add 4550mm second layer	FRR 120/120/120

External Fire	
Single layer wrap	FRR 60/60/30
Double layer wrap	FRR 120/120/90

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

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:



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