



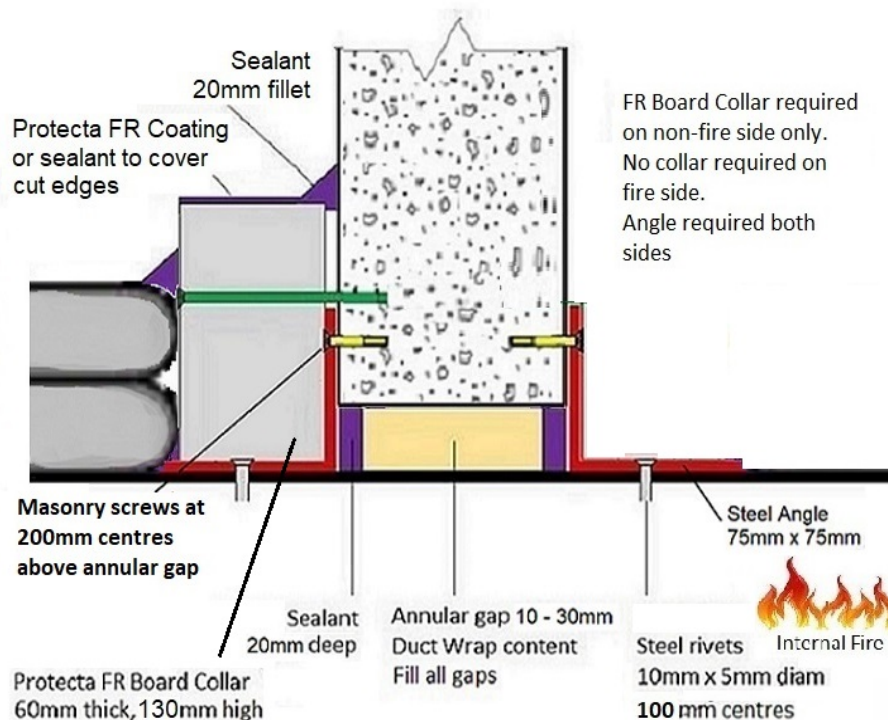
# FIRESTOP CENTRE

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 each side. Ensure any gaps in corners, etc are filled to the required compression.
4. Fill the recess with 20mm deep sealant to each side of the wall 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 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 max 200mm centres with a fixing 50mm or less at end of each angle section.
6. On the non-fire side only, 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.
7. Use 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 sealant or Protecta FR Coating.
8. On the non-fire side, install the Firestop Duct Wrap layers as specified and seal the wrap/collar junction with sealant.

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



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

# FireTS Lab

Report FTSL AR23108, Pages 15-18, 25-29  
AS1530.4-2014 AS4072.1-2005

System ID# FC232

<b>Products</b>	FIRESTOP Duct Wrap-38 Protecta FR Board Sealant (FR Acrylic or Ultra)
<b>Application</b>	Fire stopping of circular duct penetrating a concrete or masonry wall
<b>Construction</b>	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.

### 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

**NOTE:** Wrap required on non-fire side only.

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

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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:



# FIRESTOP

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