



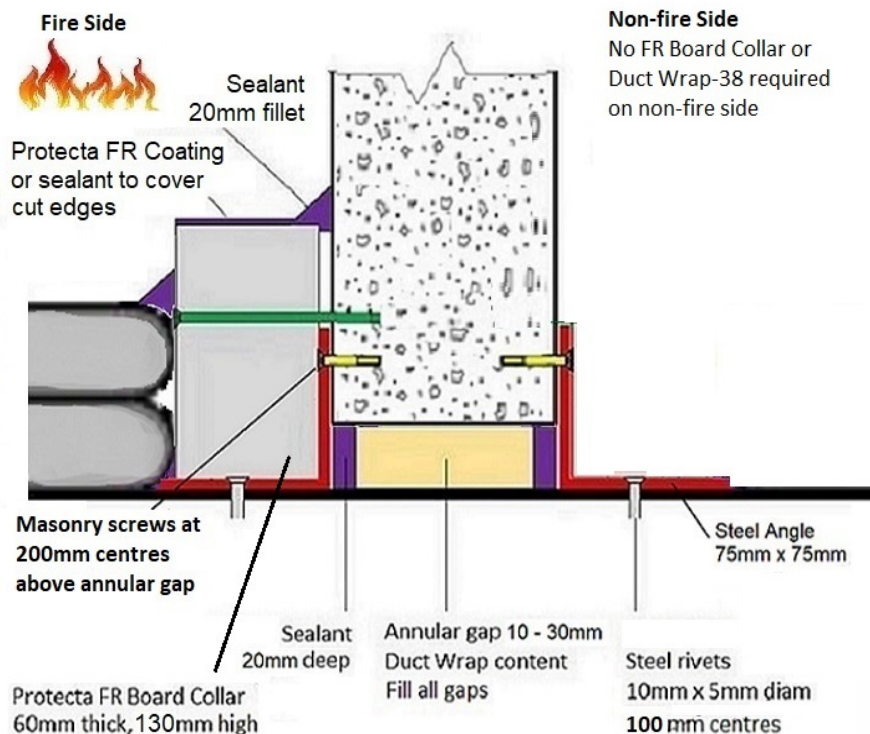
# FIRESTOP CENTRE

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 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 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 External Fire Only

**FireTS Lab**

Report FTSL AR23108, Pages 8, 15-18, 29  
AS1530.4-2014 AS4072.1-2005

System ID# FC556

|                     |   |
|---------------------|---|
| <b>Products</b>     | FIRESTOP Duct Wrap-38<br>Protecta FR Board<br>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.

### External Fire

|                   |                |
|-------------------|----------------|
| Single layer wrap | FRR 60/60/30   |
| Double layer wrap | FRR 120/120/90 |

**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.



# FIRESTOP

Firestop Centre Ltd  
657 Great South Road  
Penrose, AUCKLAND

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

Signed and approved:

|                          |                             |
|--------------------------|-----------------------------|
| Sheet size:<br><b>A4</b> | Drawn date & no:<br>20/5/24 |
|--------------------------|-----------------------------|