



# FIRESTOP CENTRE

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

## FIRESTOP Duct Wrap-38 Rectangular duct (up to 1800 x 1000mm) Concrete Wall (90mm thick or greater) One-way System - External Fire Only

**FireTS Lab**

Report AR23108, Pages 8, 9-11, 29  
AS1530.4-2014 AS4072.1-2005

System ID# FC502

<b>Products</b>	FIRESTOP Duct Wrap-38 Protecta FR Board Protecta FR Acrylic or FIRESTOP Ultra
<b>Application</b>	Fire stopping of rectangular 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.

### External Fire:

Single layer wrap	FRR 60/60/30
Double layer wrap	FRR 120/120/120

**NOTE:** Where wall FRR is less than above  
reduce penetration rating to match the wall.



# FIRESTOP

Firestop Centre Ltd  
657 Great South Road  
Penrose, AUCKLAND

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### INSTALLATION INSTRUCTIONS

Aperture to have annular gap 10 - 30mm.

Sealants permitted for this system are Protecta FR Acrylic or FIRESTOP Ultra. Either may be used.

Place unfoiled Firestop Duct Wrap material compressed nominally 30% into the annular gap with 20mm recess each side. Ensure any gaps in corners, etc are filled to the required compression.

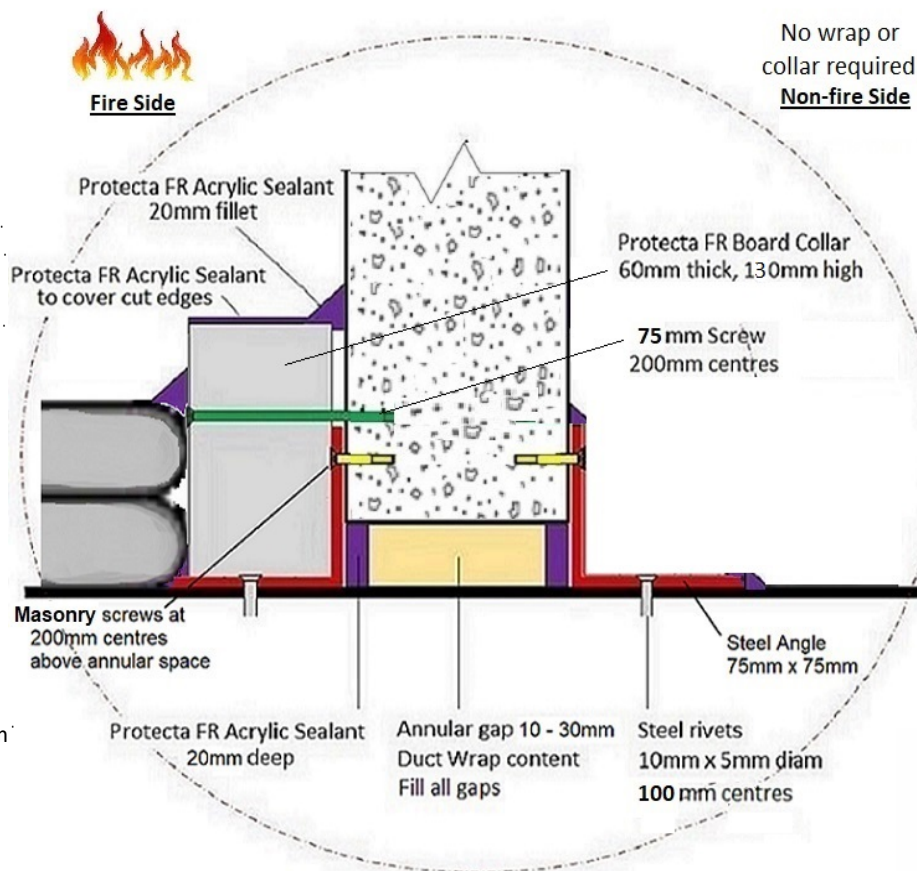
Fill the recess with 20mm deep sealant to each side of the wall. Then apply a bead of sealant to the duct and the wall prior to attaching the angle.

Attach 1.2mm thick steel angle 75mm x 75mm to 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 32mm) at max 200mm centres high enough to clear the annular space. Ensure a fixing at max 50mm from each end of an angle section. Apply sealant to any joints or corner gaps.

On the fire side apply a bead of sealant to each face of the angle. Construct a collar minimum 130mm high from Protecta FR Board (60mm 2-sided) and fix directly to the wall with 8-10g x 75mm screws with penny washers at 200mm centres (passing above the steel angle). Ensure a fixing at max 50mm from the end of each frame section.

Fill any joints in the collar with sealant. 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.

On the fire side install the Firestop Duct Wrap layers as specified and a sealant fillet at the wrap/collar junction.



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