



# FIRESTOP CENTRE

Authorised New Zealand Distributor  
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## FIRESTOP Duct Wrap-38 Rectangular Duct (up to 1800 x 1000mm) Plasterboard Wall (from 1x13mm) Internal or External Fire

**FireTS Lab**

Report AR23108, Pages 9 - 11, 25 - 29  
AS1530.4-2014 AS4072.1-2005

System ID# FC107

<b>Products</b>	FIRESTOP Duct Wrap-38 Protecta FR Board Protecta FR Acrylic or FIRESTOP Ultra
<b>Application</b>	Fire stopping of rectangular duct through a F/R plasterboard wall
<b>Construction</b>	1x13mm - 64mm steel or 90mm timber stud 2x13mm - 90mm steel or timber stud

### Fire Classification

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

#### Internal Fire Only:

Single layer wrap	FRR 120/120/30
Add 1400mm second layer	FRR 120/120/60
Add 1900mm second layer	FRR 120/120/120

#### External and Internal Fire:

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

NOTE: Where the FRR of the wall is less than the FRR of the above system, the system FRR is reduced to match the wall.



**FIRESTOP**

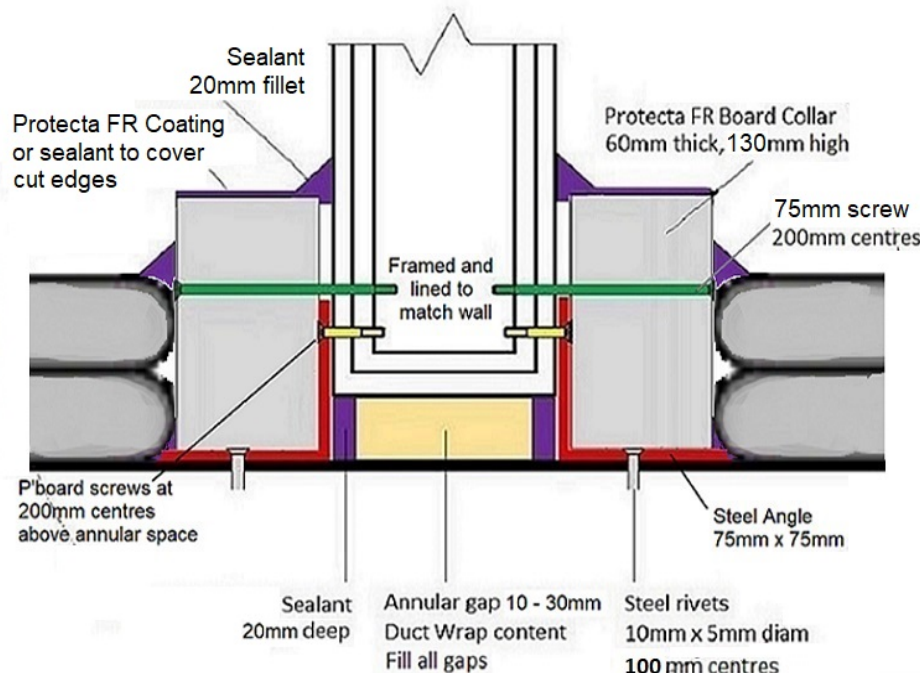
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### INSTALLATION INSTRUCTIONS

- Aperture must be framed and lined to match the wall. 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 leaving a 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 max 100mm centres. Fix to the wall with plasterboard 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.
- 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.
- Install the Firestop Duct Wrap layers as specified and apply a sealant fillet at the wrap/collar junction.

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



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