



# FIRESTOP CENTRE

Authorised New Zealand Distributor  
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## FIRESTOP Duct Wrap-38 Circular duct (up to 1000mm diam) Plasterboard wall (1x13mm or 2x13mm) Internal or External Fire

**FireTS Lab**

Report FTSL AR23108, Pages 15-18, 25-29

AS1530.4-2014 AS4072.1-2005

System ID# FC546

<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 plasterboard wall
<b>Construction</b>	Plasterboard wall min 90mm thick steel or timber stud with 1 or 2 layers of 13mm fireboard

### 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

#### External Fire

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

Where the FRR of the wall is less than the above then the system FRR is reduced to match the wall



# FIRESTOP

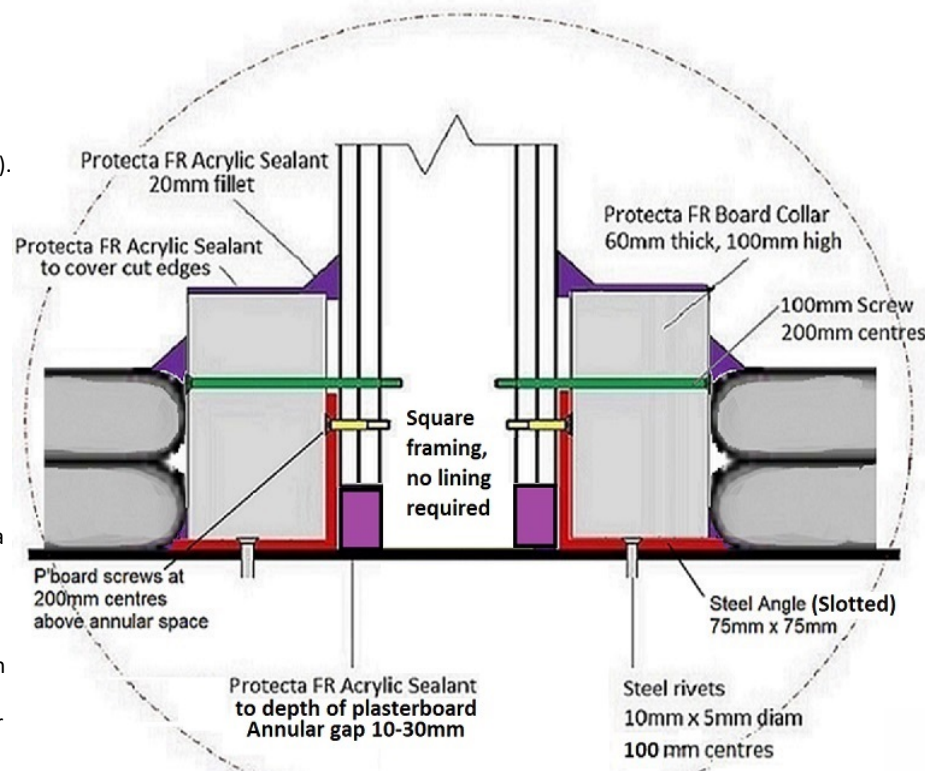
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### INSTALLATION INSTRUCTIONS

- Aperture must be framed in a square leaving 10-30mm annular gap to the duct at the four closest points.
- Cut a circular aperture in the plasterboard with an annular gap of 10-30mm to the duct. No lining required.
- Seal each side of the wall to the depth of the plasterboard with either Protecta FR Acrylic or FIRESTOP Ultra ("Sealant").
- 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 plasterboard screws (min 32mm) at 200mm centres. Fix at least three points where framing is available on all four sides. Otherwise fix directly to the plasterboard ensuring there is a fixing point at max 50mm from the end of each frame section.  
Seal any joints with Sealant.
- Construct a collar from Protecta FR Board (60mm 2-sided) curved to fit the duct and overlapping the plasterboard by a minimum 100mm on all sides. Fix directly to the wall with min 8g x 75mm drywall 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



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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: