



FIRESTOP CENTRE

Authorised New Zealand Distributor
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INSTALLATION INSTRUCTIONS

- Aperture may have annular gap 20 - 170mm.
- Sealants permitted for this system are Protecta FR Acrylic or FIRESTOP Ultra. Either may be used.
- Protecta FR Board (60mm 2-S) to be cut to shape of annular gap and friction fitted into the annular space, flush with the non-fire side of the wall. Seal all joints or gaps.
- 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 for annular gap <30mm.
If annular gap >30mm, construct lengths of angle from 2mm thick steel. One side of the angle to be 75mm and the other side to be long enough to overlap the wall by at least 45mm. 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 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, corner gaps, and edges.
- On the non-fire side apply a bead of sealant to each face of the angle. Construct a collar from Protecta FR Board (60mm 2-sided) high enough to overlap the angle by at least 55mm 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 non-fire side install the Firestop Duct Wrap layers as specified and a sealant fillet at the wrap/collar junction.

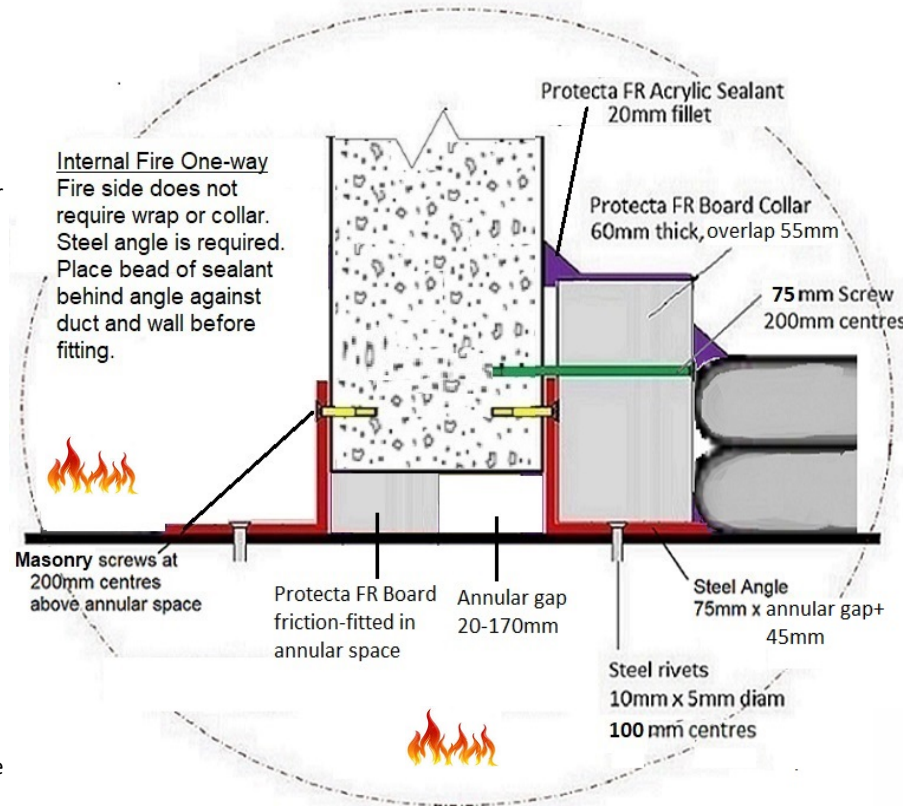
FIRESTOP Duct Wrap-38

Rectangular duct (up to 1800 x 1000mm)

Concrete Wall (120mm thick or greater)

One-way Internal Fire

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



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AS1530.4-2014 AS4072.1-2005

System ID# FC878

Products	FIRESTOP Duct Wrap-38 Protecta FR Board Protecta FR Acrylic or FIRESTOP Ultra
Application	Fire stopping of rectangular duct penetrating a concrete or masonry wall
Construction	Concrete or masonry wall min 120mm 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 1400mm second layer	FRR 120/120/60
Add 1900mm second layer	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.



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