



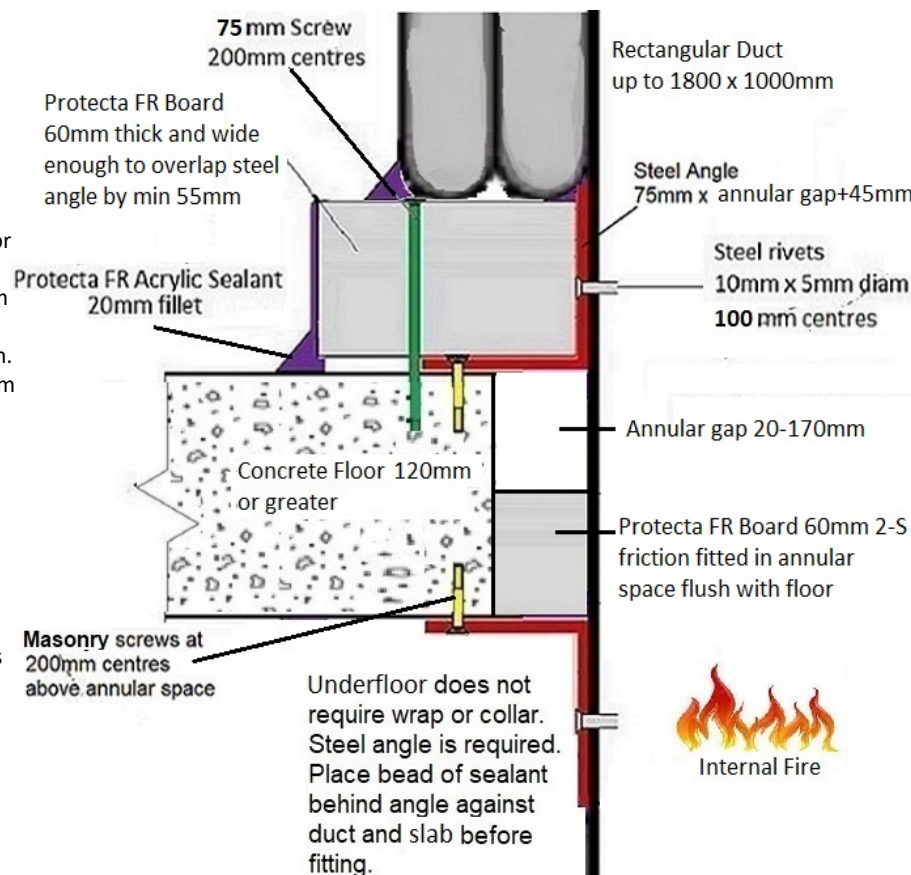
# FIRESTOP CENTRE

Authorised New Zealand Distributor  
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## INSTALLATION INSTRUCTIONS

1. Aperture may have annular gap 20 - 170mm.
2. Sealants permitted for this system are Protecta FR Acrylic or FIRESTOP Ultra. Either may be used.
3. Protecta FR Board (60mm 2-S) to be cut to shape of annular gap and friction fitted into the annular space, flush with the bottom of the floor. Seal all joints or gaps.
4. Then apply a bead of sealant to the duct and the floor prior to attaching the angle.
5. 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 floor by at least 45mm. Fix to the duct with steel rivets 10mm x 5mm diam at 100mm centres.  
Fix to the floor 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.
6. On the top side of the floor apply a bead of sealant to each face of the angle. Construct a collar from Protecta FR Board (60mm 2-S) wide 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.
7. Fill any joints in the collar with sealant. Then apply a 20mm sealant fillet at the floor/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 top side install the Firestop Duct Wrap layers as specified and a sealant fillet at the wrap/collar junction.

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



Underfloor does not require wrap or collar. Steel angle is required. Place bead of sealant behind angle against duct and slab before fitting.

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.

# FireTS Lab

Report AR23108, Pages 8, 19-21, 25-28  
AS1530.4-2014 AS4072.1-2005

System ID# FC223

<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 floor
<b>Construction</b>	Concrete floor slab 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

For ducts less than 800 x 800mm or equiv area:

Single layer wrap	FRR 120/120/-
Add 600mm 2nd layer	FRR 120/120/30
Add 1900mm 2nd layer	FRR 120/120/60
Add 2040mm 2nd layer and 1660mm 3rd layer	FRR 120/120/120

For ducts greater than 800 x 800mm or equiv:

Single layer wrap	FRR 120/120/-
Add 900mm 2nd layer	FRR 120/120/30
Add 1800mm 2nd layer and 900mm 3rd layer	FRR 120/120/60
Add 2040mm 2nd layer and 1660mm 3rd layer	FRR 120/120/120

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



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