



# FIRESTOP CENTRE

Authorised New Zealand Distributor  
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## FIRESTOP Duct Wrap-25 Circular duct (up to 300mm diameter) Concrete Floor (90mm thick or greater) or Composite min 60mm topping.

### Internal Fire

**FireTS Lab**

Report AR23108-2, Pages 8-10, 13  
AS1530.4-2014 AS4072.1-2005

System ID# FC224

<b>Products</b>	FIRESTOP Duct Wrap-25 Protecta FR Board Protecta FR Acrylic or FIRESTOP Ultra sealant
<b>Application</b>	Fire stopping of circular duct penetrating a concrete floor
<b>Construction</b>	Concrete floor slab min 90mm thick or composite min topping 60mm

### Fire Classification

NOTE: For general instructions on installing  
FIRESTOP Duct Wrap-25 see [Installation  
Instructions](#) sheet on Firestop Centre website.

### Internal Fire

For circular ducts up to 300mm diameter:

Single layer wrap	FRR 120/120/15
Add 1000mm 2nd layer	FRR 120/120/30

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



**FIRESTOP**

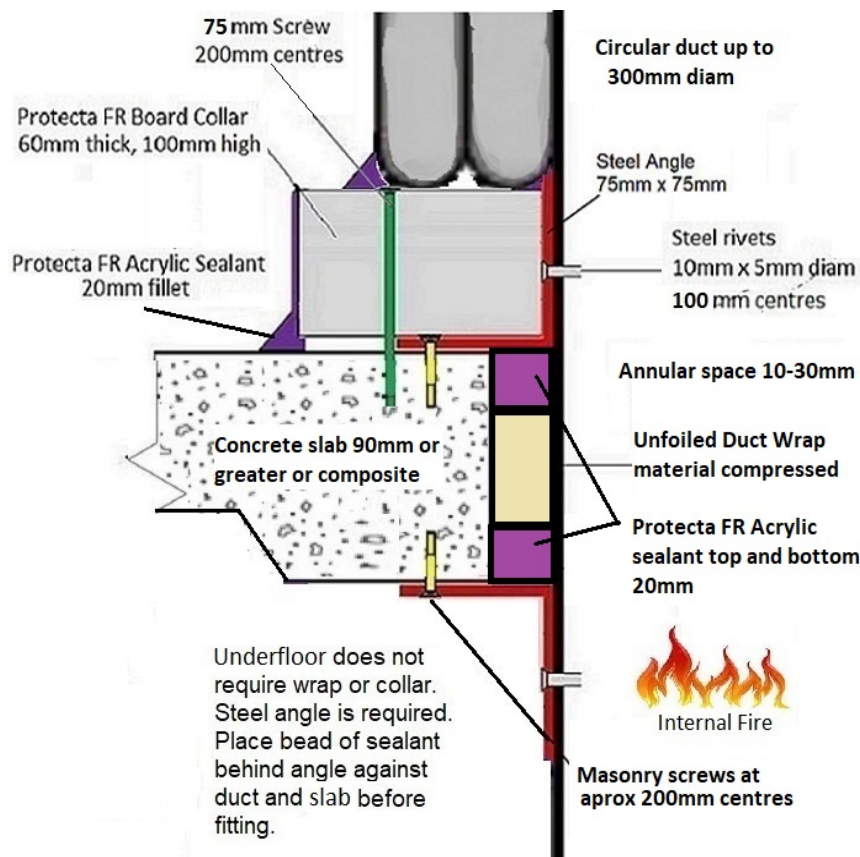
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### INSTALLATION INSTRUCTIONS

- Aperture to have annular gap 10 - 30mm, core-drilled.
- Place unfoiled Firestop Duct Wrap-25 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.
- Seal each side of the floor with 20mm deep Protecta FR Acrylic or FIRESTOP Ultra sealant.
- Attach 0.8mm thick slotted steel angle 75mm x 75mm around the duct on all sides. Fix to the duct with steel rivets 10mm x 5mm diam at 100mm centres. Fix to the floor with masonry screws (min 40mm) at 200mm centres approx.  
Apply a bead of Protecta FR Acrylic Sealant behind the steel angle on the underfloor side and seal any joints or gaps with Protecta FR Acrylic or FIRESTOP Ultra sealant.
- On the top side construct a collar minimum 100mm wide from Protecta FR Board (60mm 2-sided) and fix directly to the floor with 8-10g x 75mm screws with penny washers at 200mm centres (passing above the steel angle).
- Use Protecta FR Acrylic or FIRESTOP Ultra sealant to fill any gaps in the collar. Then apply a 20mm fillet at the floor/collar joint and the duct/collar/angle joint. Finally cover the exposed cut edges of the collar with Protecta FR Acrylic, FIRESTOP Ultra or Protecta FR Coating.
- Install the Firestop Duct Wrap-25 layer(s) on the top side and seal the wrap/collar junction with Protecta FR Acrylic or FIRESTOP Ultra.

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: