



# FIRESTOP CENTRE

Authorised New Zealand Distributor  
Ph (09) 483 4000 www.firestopcentre.co.nz

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

### Internal Fire



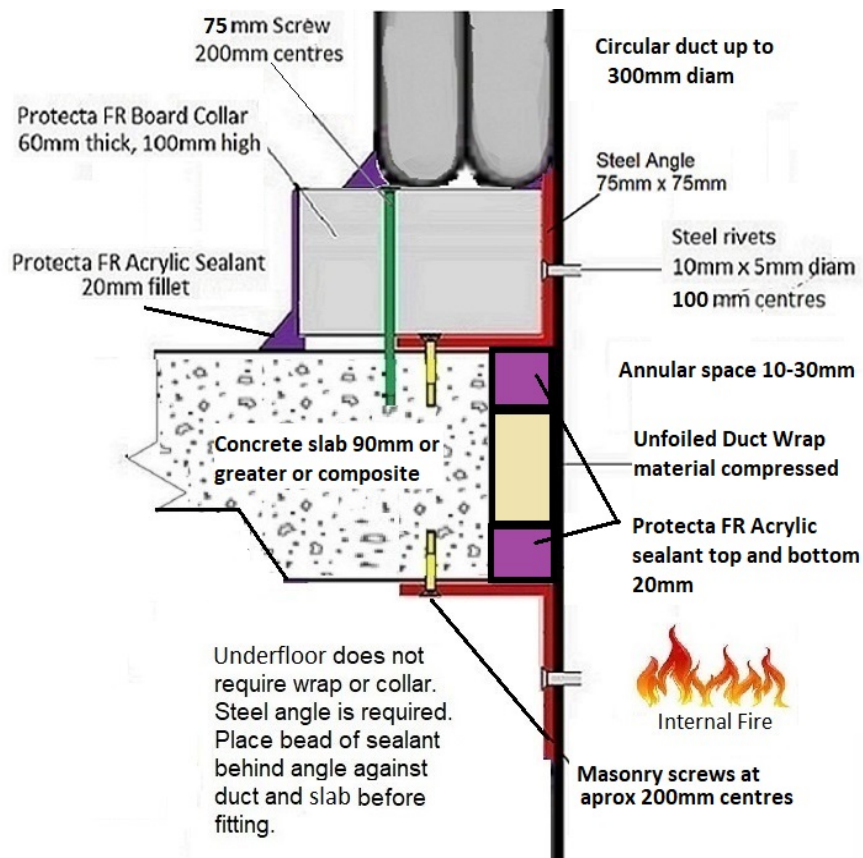
Report RPF23111, Pages 4, 12  
AS1530.4-2014 AS4072.1-2005

System ID# FC224

#### INSTALLATION INSTRUCTIONS

1. Aperture to have annular gap 10 - 30mm, core-drilled.
2. 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.
3. Seal each side of the floor with 20mm deep Protecta FR Acrylic Sealant.
4. 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 Sealant.
5. 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).
6. Use Protecta FR Acrylic 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 or Protecta FR Coating.
7. Install the Firestop Duct Wrap-25 layer(s) on the top side and seal the wrap/collar junction with Protecta FR Acrylic.

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



<b>Products</b>	FIRESTOP Duct Wrap-25 Protecta FR Board Protecta FR Acrylic
<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.

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.

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:



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