



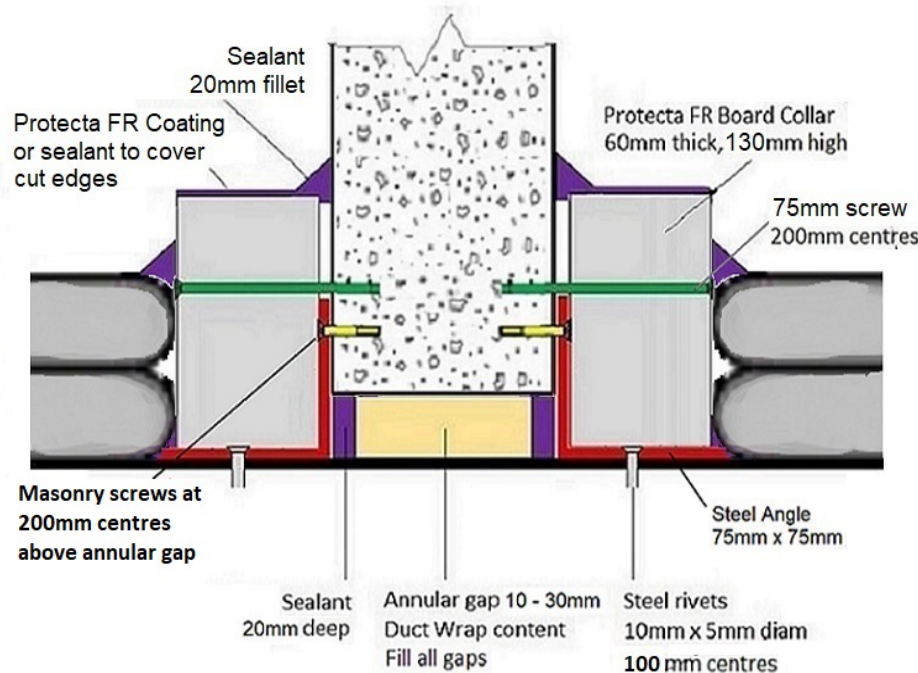
FIRESTOP CENTRE

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

INSTALLATION INSTRUCTIONS

1. Aperture to be core-drilled with annular gap no greater than 30mm.
2. Sealant for this system may be either Protecta FR Acrylic or FIRESTOP Ultra
3. Place unfoiled Firestop Duct Wrap material compressed nominally 30% into the annular gap leaving a 20mm recess each side. Ensure any gaps in corners, etc are filled to the required compression.
4. Fill the recess with 20mm deep sealant to each side of the wall and apply a bead of sealant to the duct before attaching the angle.
5. 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 masonry screws (min 32mm) at max 200mm centres with a fixing 50mm or less at end of each angle section.
6. Construct a collar from Protecta FR Board (60mm 2-sided) curved to fit the duct and overlapping the wall by a minimum 100mm on all sides. Fix to the wall with min 8g x 75mm screws with penny washers at 200mm centres and max 50mm from each edge.
7. Use sealant to fill any gaps in the collar. Then apply a 20mm 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.
8. 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



FIRESTOP Duct Wrap-38 Circular Duct (up to 1000mm diam) in a core-drilled aperture Concrete Wall (100mm thick or greater) Internal or External Fire

FireTS Lab

Report FTSL AR23108, Pages 15-18, 25-29
AS1530.4-2014 AS4072.1-2005

System ID# FC560

Products	FIRESTOP Duct Wrap-38 Protecta FR Board Sealant (FR Acrylic or Ultra)
Application	Fire stopping of circular duct penetrating a concrete or masonry wall
Construction	Concrete or masonry wall min 100mm 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 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 FRR of the wall is less than the above
ratings, the FRR of the penetration is reduced to
match the wall.

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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

Signed and approved:



FIRESTOP

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