FIRESTOP CENTRE
INNOVATIVE FIRESTOP SOLUTIONS
Authorised New Zealand Distributor
Ph (09) 483 4000 www.firestopcentre.co.nz

Protecta FR Damper (Round or Rectangular) Concrete Wall (Core-drilled or with FR Board)

warringtonfire
FAS190052 AS1530.4-2014 AS4072.1-2005

System/FPA Register ID# FC475

Products	Protecta FR Board Protecta FR Acrylic Protecta FR Damper
Application	Fire stopping of ventilation ducts in rigid walls
Construction	Minimum wall thickness of 100 mm and comprise concrete, aerated concrete or masonry, with a density of ≥ 650 kg/m³

Fire & Sound Classification

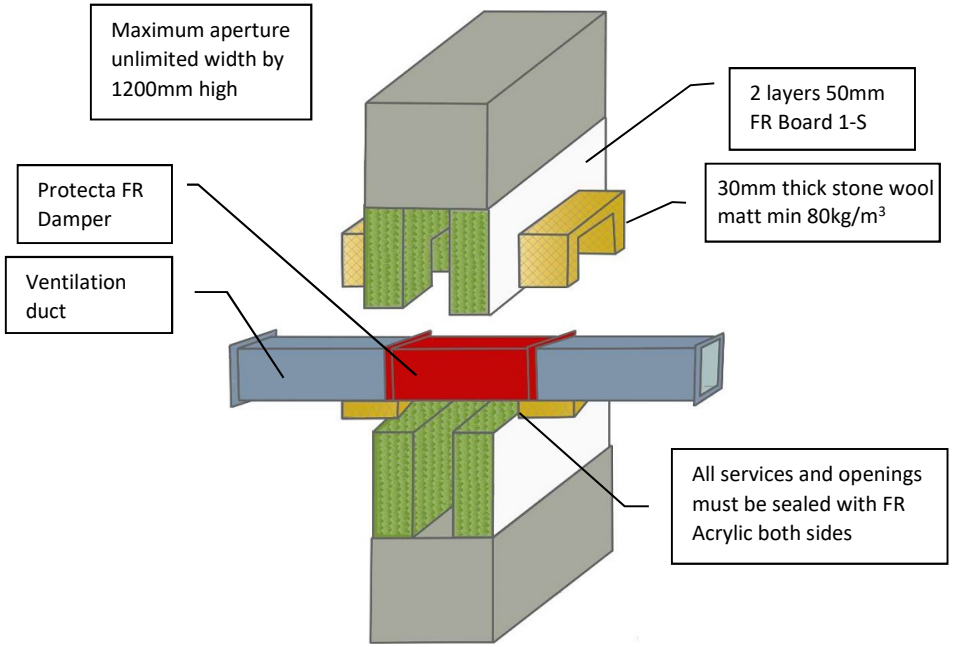
Up to 400mm diam damper/duct with 200mm stone wool on both sides FRR -/120/120

Up to 1250mm diam damper/duct with 500mm stone wool on both sides FRR -/90/60

Up to 600mm high x 1000mm wide damper/duct with 500mm stone wool on both sides FRR -/120/120

Up to 1200mm high x 1700mm wide damper/duct with 500mm stone wool on both sides FRR -/90/90

Sound reduction (seal only) STC 52



Installation Instructions

1. Before installing Protecta® FR Board ensure that the surface of all service penetrations and surrounding construction is free from all loose contaminants, dust and grease.
2. Protecta® FR Acrylic is water based, so in cases where corrosion protection is a problem, some metals may require a barrier between the seal and the surface prior to this installation.
3. The boards should be flush with the surface of the construction on both sides to maximize the fire resistance.
4. Cut the required board(s) to suit the aperture dimensions and type and size of service penetration(s). All exposed and cut edges of the board can be sealed with Protecta® FR Acrylic prior to fitting which will act as an adhesive and ensure a smoke tight seal.
5. All joints, gaps or imperfections in the installed seal must be filled with Protecta® FR Acrylic on both sides.
6. Insulate the ventilation duct towards the fire seal on both sides with 30mm thick stone wool matting to the length given on this page. Insulate on one side only if the duct terminates in the wall.
7. Protecta® FR Board can be over-painted with most emulsion or alkyd (gloss) paints.

For Core-drilled Walls

Gaps of less than 10mm between damper and wall, seal with Protecta FR Putty Cord to both faces.
Gaps of 10-30mm between damper and wall, seal with 12.5mm Protecta FR Acrylic sealant to both faces backed with 12.5mm stone wool (min 33kg/m³).

Minimum separations and limitations

An aperture can include several services, and they may also be different. The minimum permitted separation between adjacent seals/apertures is 200mm. Services should be a minimum of 25mm from seal edges. Services within the system Protecta® FR Board seal do not require a minimum separation, except pipes where pipe insulation penetrates the seal and plastic pipe penetrations which should be a minimum of 30 mm from other services in the aperture. The total amount of cross sections of services (including insulation) should not exceed 60% of the penetration area.

Protecta®

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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:

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Scale: **NTS**	Drawn by: K.B