Protecta FR Board - Plasterboard Wall Metal Pipes (Steel, Copper, Alupex) Combustible (Elastomeric or PE Foam) or Non-combustible Insulation

FIRESTOP CENTRE
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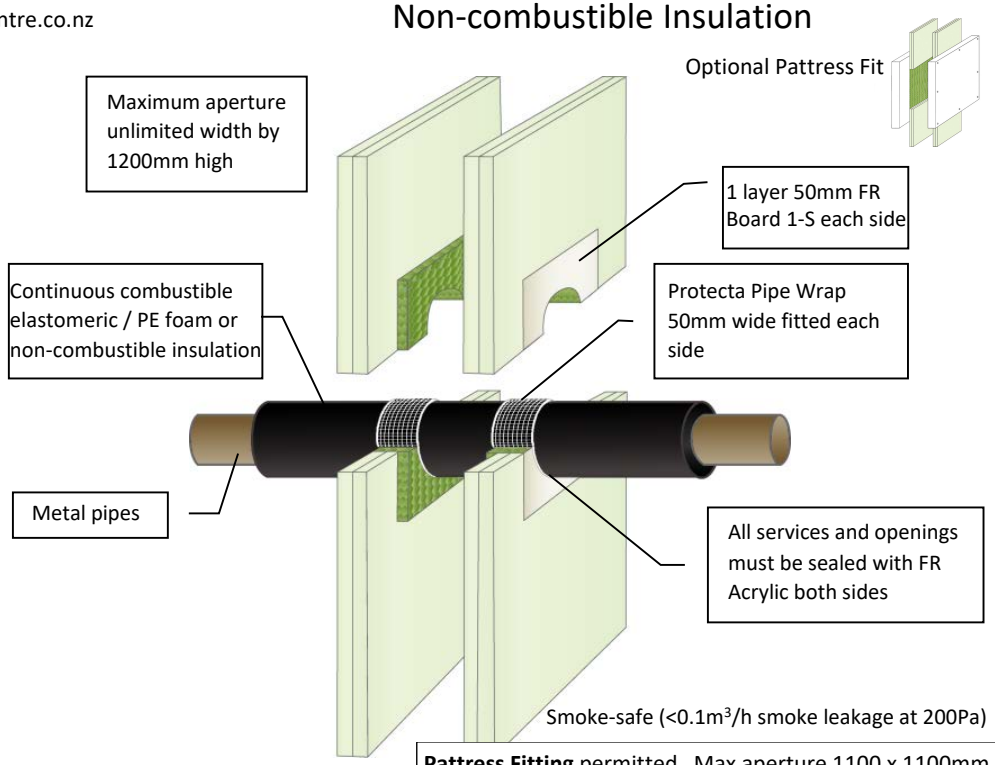
warringtonfire
FAS 200262 Pages 62, 64, 68, 9, 6
AS1530.4-2014 AS4072.1-2005

System/FPA Register ID# FC274

Products	Protecta FR Board Protecta FR Acrylic Protecta FR Pipe Wrap
Application	Fire stopping of metal pipes with combustible or non-combustible insulation in plasterboard walls
Construction	Minimum wall thickness of 75mm and comprise steel studs or timber studs lined on both faces with minimum 1 layer of 13mm thick board.

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. The coated side of the board should be flush with the surface of the gypsum on both sides.
3. When fire sealing shaft walls consisting of gypsum only on one side, subject to authority approval, install Protecta® FR Board on the exposed side. The board should be facing the (fire) exposed side.
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. Boards to be friction fitted, then all joints, gaps or imperfections in the installed seal must be filled with Protecta® FR Acrylic on both sides.
6. Protecta® FR Board can be over-painted with most emulsion or alkyd (gloss) paints.
7. Apertures not required to be lined. Cavity insulation optional.



Pattress Fitting permitted Max aperture 1100 x 1100mm
See Warringtonfire FAS200262 page 9

Fire & Sound Classification

For 100mm thick walls, double layer board:

Steel pipes ≤ Ø40mm with 13mm insulation
- 1 layer of pipe wrap FRR -/120/120

Steel pipes ≤ Ø165mm with 13 - 32mm insulation
- 2 layers of pipe wrap FRR -/120/60

Steel pipes ≤ Ø324mm with 32 - 50mm insulation
- 3 layers of pipe wrap FRR -/90/90

Copper pipes ≤ Ø12mm with 9mm insulation
- 2 layers of pipe wrap FRR -/120/120

Copper pipes ≤ Ø54mm with 9 - 13mm insulation
- 2 layers of pipe wrap FRR -/120/90

Copper pipes ≤ Ø54mm with 13 - 25mm insulation
- 2 layers of pipe wrap FRR -/120/60

Alupex pipes ≤ Ø75mm with 9 - 25mm insulation
- 2 layers of pipe wrap FRR -/60/60

For 75mm thick walls, single layer board:

All above FRRs approved subject to maximum FRR -/60/60 and max aperture of 900 x 1200mm (See page 9)

Sound reduction (seal only) STC 55

Minimum separations and limitations

An aperture can include several services, and they may also be different. 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. Services should be a minimum of 25mm from seal edges. The total amount of cross sections of services (including insulation) should not exceed 60% of the penetration area. The minimum permitted separation between adjacent apertures is 200mm.

ETA 21/0047

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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