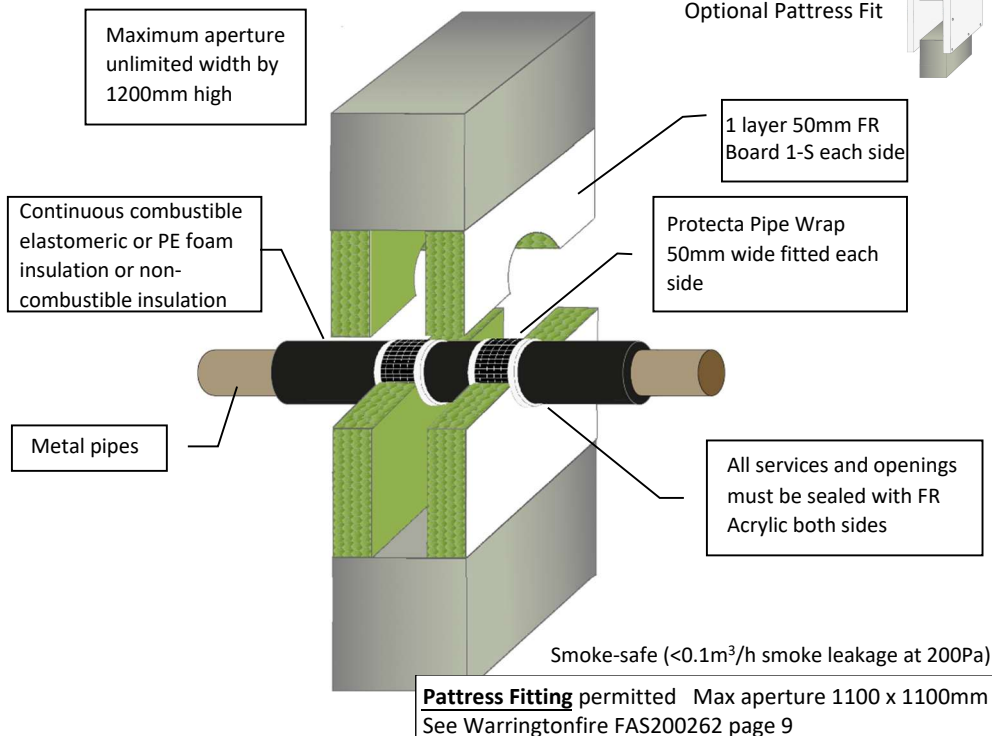


Protecta FR Board - Concrete Wall min 75mm Metal Pipes (Steel, Copper, Alupex) with Combustible (Elastomeric or PE Foam) or Non-combustible Insulation

System/FPA Register ID# FC234

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 wall 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.



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.

| | |
|---------------------|--|
| Products | Protecta FR Board Protecta FR Acrylic Protecta FR Pipe Wrap |
| Application | Fire stopping of metal pipes with combustible or non-combustible insulation in concrete walls |
| Construction | Minimum wall thickness of 75mm and comprise concrete, aerated concrete or masonry, with a density of $\geq 650 \text{ kg/m}^3$ |

Fire & Sound Classification

For 100mm thick walls:

Steel pipes $\leq \varnothing 40\text{mm}$ with 13mm insulation

- 1 layer of pipe wrap FRR -/120/120

Steel pipes $\leq \varnothing 165\text{mm}$ with 13 - 32mm insulation

- 2 layers of pipe wrap FRR -/120/60

Steel pipes $\leq \varnothing 324\text{mm}$ with 32 - 50mm insulation

- 3 layers of pipe wrap FRR -/90/90

Copper pipes $\leq \varnothing 12\text{mm}$ with 9mm insulation

- 2 layers of pipe wrap FRR -/120/120

Copper pipes $\leq \varnothing 54\text{mm}$ with 9 - 13mm insulation

- 2 layers of pipe wrap FRR -/120/90

Copper pipes $\leq \varnothing 54\text{mm}$ with 13 - 25mm insulation

- 2 layers of pipe wrap FRR -/120/60

Alupex pipes $\leq \varnothing 75\text{mm}$ with 9 - 25mm insulation

- 2 layers of pipe wrap FRR -/60/60

For 75mm thick walls:

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



ETA 21/0047

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 Polyseam has no control over the methods or competence of installation and of prevailing site conditions, no warranties, expressed or implied, is 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

Signed and approved:

Sheet size:

A4

Drawn date & no:

20/4/21

Scale:

NTS

Drawn by:

K.B