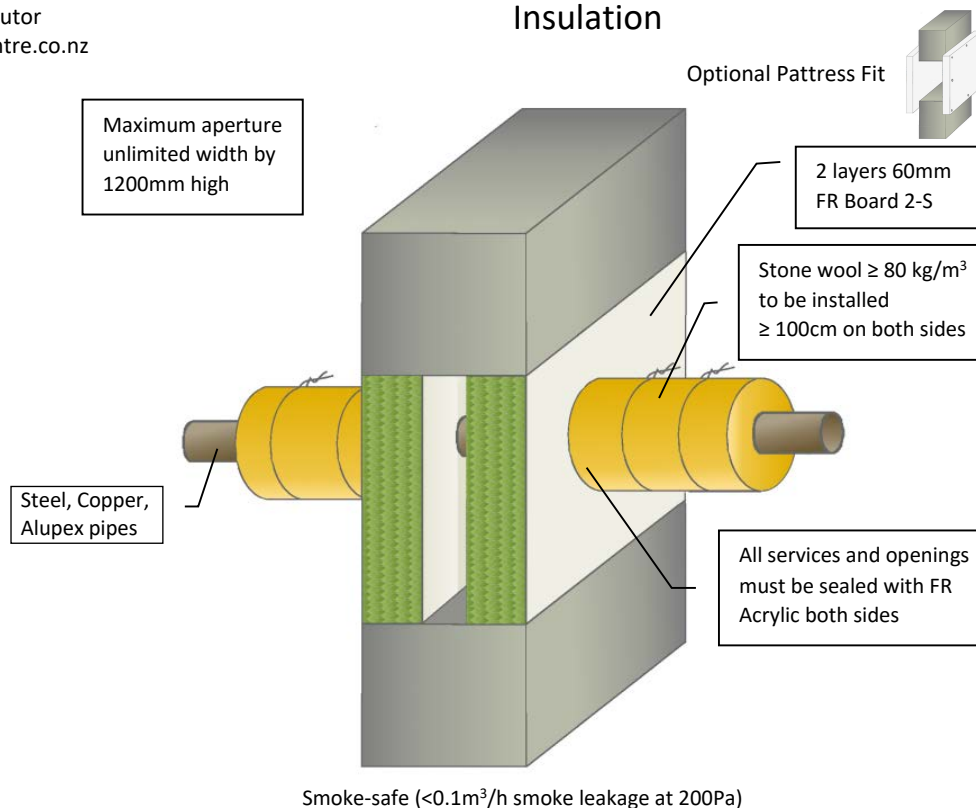


## Protecta FR Board Concrete Wall Steel, Copper, Alupex Pipes Interrupted Insulation

System/FPA Register ID# FC177

### 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 Coating and Protecta® FR Acrylic are 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. If this is not possible, there should be an air gap of at least 30mm between the boards.
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 must be friction fitted or otherwise firmly supported. 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.



Smoke-safe (<0.1m<sup>3</sup>/h smoke leakage at 200Pa)

### 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.

**Pattress Fitting** permitted Max FRR -/120/120 Max aperture 1100 x 1100mm See Warringtonfire FAS200262 page9



ETA 21/0047 FAS 2000262 AS1530.4-2014 AS4072.1-2005

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<b>Products</b>	Protecta FR Board Protecta FR Acrylic
<b>Application</b>	Fire stopping of interrupted insulated pipes in rigid walls
<b>Construction</b>	Minimum wall thickness of 5 and comprise concrete, aerated concrete or masonry, with a density of ≥ 650 kg/m <sup>3</sup>

### Fire & Sound classification

In 150mm wall with 2 x 60mm FR Boards:

Steel pipes ≤ Ø54mm with ≥ 20mm stone wool insulation FRR -/240/120

Steel pipes ≤ Ø219mm with ≥ 30mm stone wool insulation FRR -/240/90

Copper pipes ≤ Ø54mm with ≥ 20mm stone wool insulation FRR -/240/120

Alupex pipes ≤ Ø16mm with ≥ 20mm stone wool insulation FRR -/240/180

In 100mm thick wall with 2 x 50mm FR Boards:

Steel pipes up to 40mm with ≥ 20mm stone wool insulation FRR -/120/120

Steel pipes up to 219mm with ≥ 30mm stone wool insulation FRR -/120/90

Copper pipes up to 54mm with 20mm stone wool insulation FRR -/120/120

Alupex pipes up to 75mm with ≥ 25mm stone wool insulation FRR -/60/60

In 75mm thick wall with 2 x 50mm FR Boards:

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

Sheet size: <b>A4</b>	Drawn date & no: 20/4/21
Scale: <b>NTS</b>	Drawn by: K.B