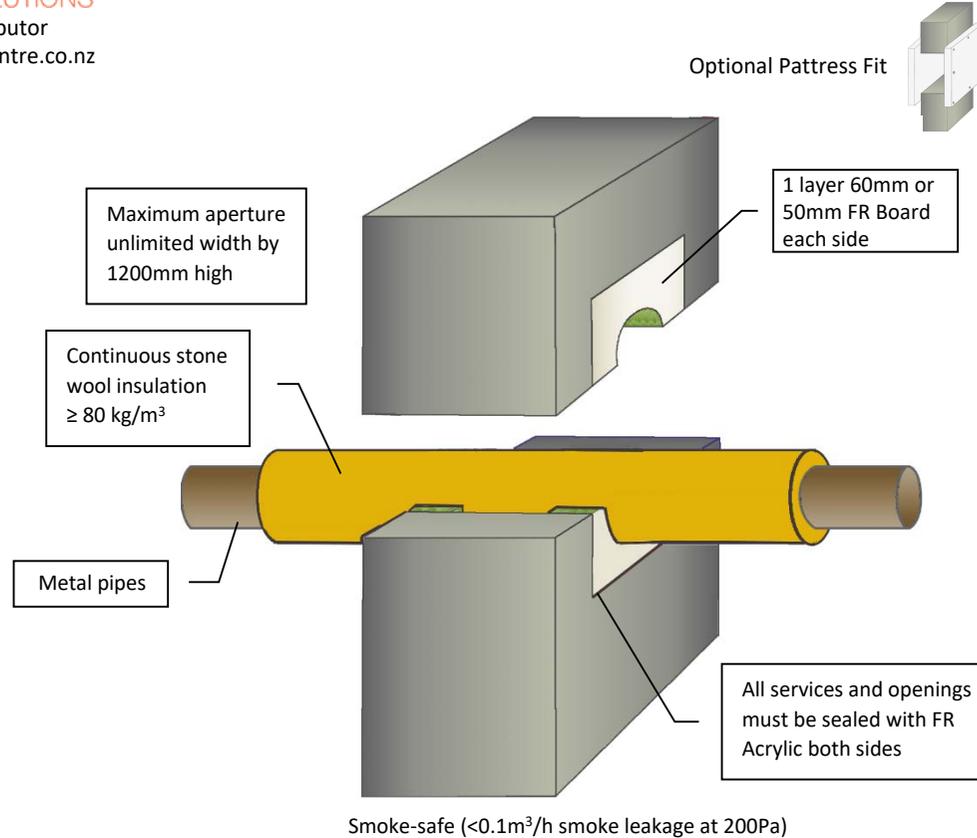


Protecta FR Board, Concrete Wall min 75mm Steel, Copper, Alupex Pipe Continuous Insulation

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 Coating or 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.



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.

Patress 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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System/FPA Register ID# FC275

Products	Protecta FR Board Protecta FR Acrylic
Application	Fire stopping of continuous insulated metal pipes in rigid 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

All pipes must have continuous stone wool or mineral wool insulation with min density 80 kg/m^3

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

Steel pipes $\leq \text{Ø}324 \text{ mm}$ with 30-80mm insulation
FRR -/240/180

Copper pipes $\leq \text{Ø}54 \text{ mm}$ with 20-40mm insulation
FRR -/60/60

Alupex pipes $\leq \text{Ø}75 \text{ mm}$ with 20-60mm insulation
FRR -/120/90

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

Steel pipes $\leq \text{Ø}324 \text{ mm}$ with 20-80mm insulation
FRR -/120/120

Copper pipes $\leq \text{Ø}54 \text{ mm}$ with 20-40mm insulation
FRR -/60/60

Alupex pipes $\leq \text{Ø}75 \text{ mm}$ with 20-60mm insulation
FRR -/120/90

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

Steel pipes $\leq \text{Ø}324 \text{ mm}$ with 20-80mm insulation
FRR -/60/60

Copper pipes $\leq \text{Ø}54 \text{ mm}$ with 20-40mm insulation
FRR -/60/60

Alupex pipes $\leq \text{Ø}75 \text{ mm}$ with 20-60mm insulation
FRR -/60/60

Sound reduction (seal only) STC 55

Sheet size: **A4**
Drawn date & no: 9/1/21

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