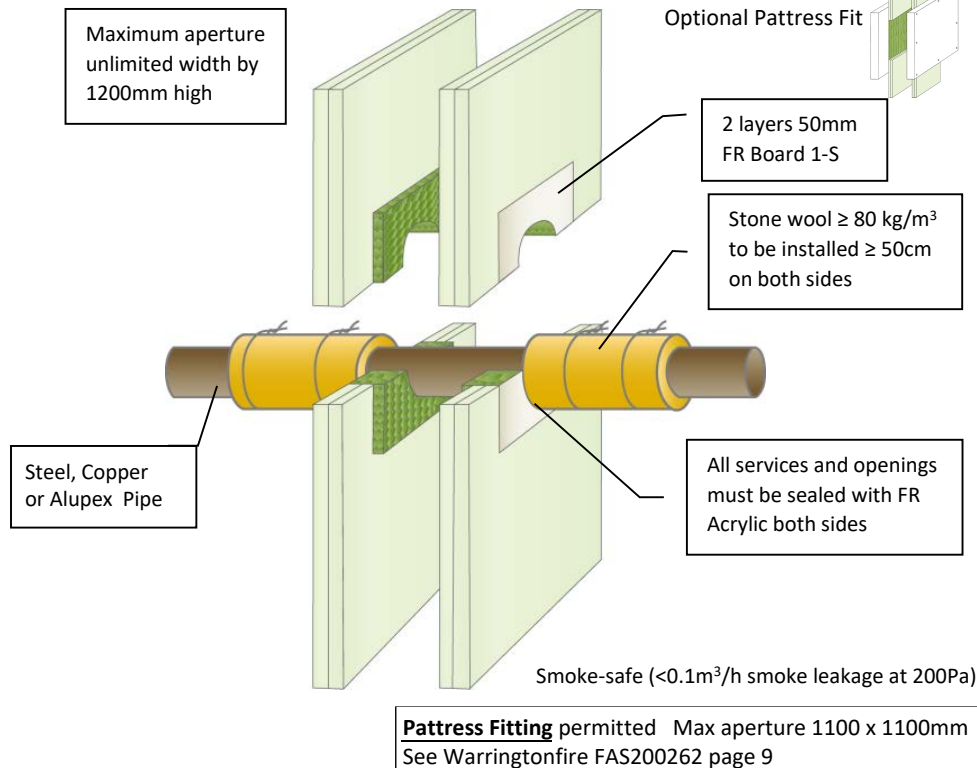


Protecta FR Board - Plasterboard Wall Metal Pipes - Interrupted Insulation

Installation Instructions

- 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.
- 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.
- The coated side of the board should be flush with the surface of the gypsum on both sides.
- 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.
- 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.
- Boards must be friction fitted, then all joints, gaps or imperfections in the installed seal must be filled with Protecta® FR Acrylic on both sides.
- Protecta® FR Board can be over-painted with most emulsion or alkyd (gloss) paints.
- 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.



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:

System/FPA Register ID# FC189

Products	Protecta FR Board Protecta FR Acrylic
Application	Fire stopping of insulated metal pipes 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.

Fire & Sound classification

For 100mm thick walls, double layer board:

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

- 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



Sheet size: **A4** Drawn date & no: 20/4/21

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