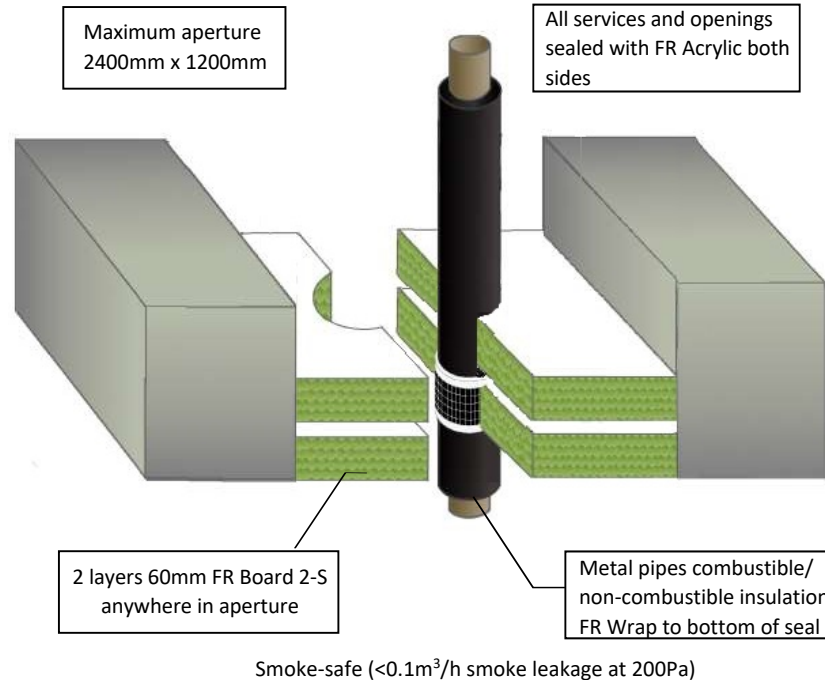


Protecta FR Board - 120mm Concrete Floor Metal Pipes (Steel, Copper, Alupex) Combustible (Elastomeric) or Non- combustible Insulation

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. The FR Board seal can be positioned to either side of the construction or anywhere in between and can be together or separated.
3. FR Wrap to be applied to the bottom of the seal.
4. Cut the required board(s) to suit the aperture dimensions and type and size of service penetration(s). All exposed 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. 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. Protecta FR Board is not load-bearing. Take appropriate health and safety measures.



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.

Permitted Aperture Sizes

Where standard aperture sizes of 1200mm by 2400mm are stated, the following additional sizes are automatically permitted:

1100mm x 2900mm	1000mm x 4000mm
900mm x 7000mm	800mm x unlimited

System/FPA Register ID# FC167

Products	Protecta FR Board Protecta FR Wrap Protecta FR Acrylic
Application	Fire stopping of metal pipes with combustible or non-combustible insulation in rigid floors
Construction	Minimum floor thickness of 120 mm and comprise aerated concrete or concrete with a minimum density of 650kg/m ³ .

Fire & Sound classification

Steel Pipes ≤ Ø40mm FR Wrap 50mm 1 layer Elastomeric insulation 13mm	FRR -/180/120
Steel Pipes ≤ Ø165mm FR Wrap 50mm 1 layer Elastomeric insulation 19mm	FRR -/90/90
Copper Pipes ≤ Ø54mm FR Wrap 50mm 2 layers Elastomeric insulation 9-13mm	FRR -/240/60
Copper Pipes ≤ Ø54mm FR Wrap 50mm 2 layers Elastomeric insulation 13-25mm	FRR -/180/45
Alupex Pipes ≤ Ø75mm FR Wrap 50mm 2 layers Elastomeric insulation 9-13mm	FRR -/120/120
Alupex Pipes ≤ Ø75mm FR Wrap 50mm 2 layers Elastomeric insulation 13-25mm	FRR -/60/45
Sound reduction (seal only)	STC 64

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.

Sheet size: A4	Drawn date & no: 19/8/21
--------------------------	-----------------------------

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