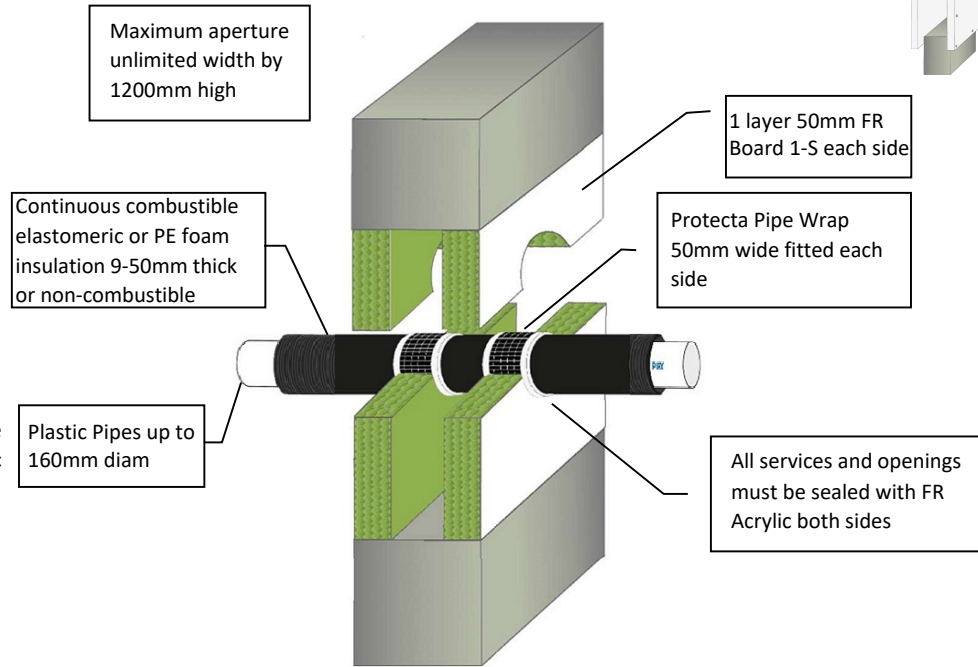


Protecta FR Board - Concrete Wall Plastic Pipes (PP, PE, PE-HD, PEX, PP-R) Combustible (Elastomeric or PE Foam) or Non-combustible Insulation

System/FPA Register ID# FC103

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.



Patress Fitting permitted Max aperture 1100 x 1100mm
 See Warringtonfire FAS200262 page 9

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 plastic 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:

PE, PE-HD, PEX, PP, PP-R, PP-H, PP-MV and similar pipes up to 160mm diam with 9 - 50mm thick Elastomeric, PE Foam or non-combustible insulation:

Pipes up to 68mm diam (inc insulation) - wrap with 2 layers 50mm Protecta FR Wrap each side
 FRR -/60/60

Pipes up to 178mm diam (inc insulation) - wrap with 6 layers 50mm Protecta FR Wrap each side
 FRR -/60/60

Pipes up to 260mm diam (inc insulation) - wrap with 10 layers 50mm Protecta FR Wrap each side
 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)

Smoke-safe (<0.1m³/h smoke leakage at 200Pa)

Sound reduction (seal only) STC 55

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