

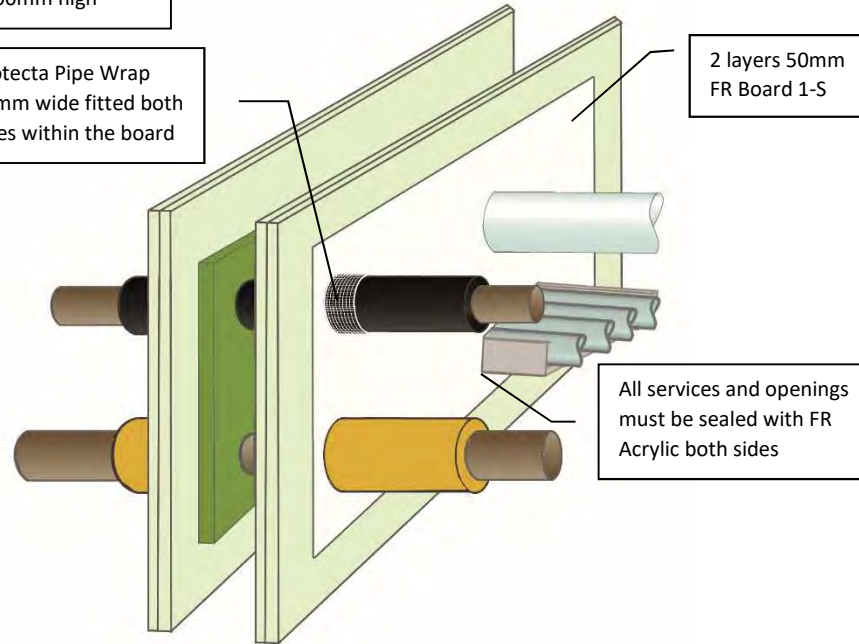
MIXED SERVICE APERTURE - FR BOARD - PLASTERBOARD WALL

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 coated side of the board should be flush with the surface of the gypsum on both sides.
4. 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.
5. 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.
6. All joints, gaps or imperfections in the installed seal must be filled with Protecta® FR Acrylic on both sides.
7. Protecta® FR Board can be over-painted with most emulsion or alkyd (gloss) paints.

Maximum aperture unlimited width by 1200mm high

Protecta Pipe Wrap 50mm wide fitted both sides within the board



All services and openings must be sealed with FR Acrylic both sides

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.

System/FPA Register ID# FC409
For Fire Classifications refer to relevant systems in this website

Products	Protecta FR Board Protecta FR Acrylic Protecta FR Pipe Wrap
Construction	Minimum wall thickness of 100 mm and comprise steel studs or timber studs lined on both faces with minimum 2 layers of 12.5 mm thick boards.

Services

1. Cables ≤ Ø80mm single or bundled, wires 185mm² and steel or PVC conduits ≤ Ø16mm, with or without cable trays
2. Steel pipes ≤ Ø22mm without insulation
3. Steel pipes ≤ Ø165mm with 13 - 32mm thick continuous foam insulation and 2 layers wrap
4. Steel pipes ≤ Ø324mm with 32 - 50mm thick continuous foam insulation and 3 layers wrap
5. Steel pipes ≤ Ø324mm with 20-80mm thick continuous stone wool insulation
6. Steel pipes ≤ Ø219mm with ≥ 20mm thick interrupted stone wool insulation
7. Copper pipes ≤ Ø6mm without insulation
8. Copper pipes ≤ Ø54mm with 9 - 25mm thick continuous foam insulation and 2 layers wrap
9. Copper pipes ≤ Ø54mm with ≥ 20mm thick interrupted stone wool insulation
10. Alupex pipes ≤ Ø20mm without insulation
11. Alupex pipes ≤ Ø75mm with 9 - 25mm thick continuous foam insulation and 2 layers wrap
12. Alupex pipes ≤ Ø75mm with ≥ 20mm thick interrupted stone wool insulation
13. PEX pipe-in-pipes ≤ Ø25mm
14. Plastic pipes ≤ Ø32mm without pipe wrap
15. Plastic pipes ≤ Ø40mm with 1 layer of wrap
16. Plastic pipes Ø41 - Ø110mm with 2 layers of pipe wrap
17. Plastic pipes Ø111 - Ø125mm with 3 layers of pipe wrap
18. Plastic pipes Ø126 - Ø160mm with 4 layers of pipe wrap



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For all technical details on the products specified please refer to the technical data sheets that can be found on <http://www.protecta.eu>

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Scale:
NTS

Drawn by & date:
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