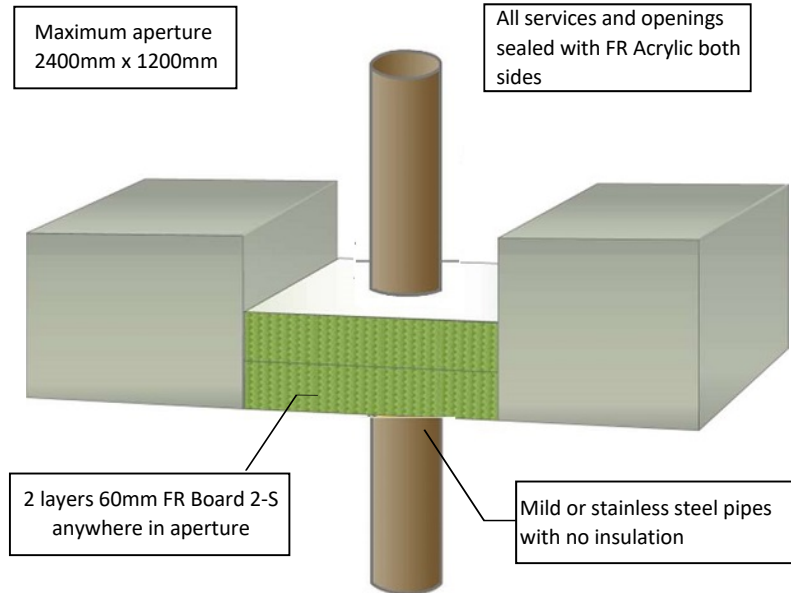


Protecta FR Board - 120mm Concrete Floor Steel Pipe - Bare

System/FPA Register ID# FC573

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.
3. 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.
4. All joints, gaps or imperfections in the installed seal must be filled with Protecta® FR Acrylic on both sides.
5. Protecta® FR Board can be over-painted with most emulsion or alkylid (gloss) paints.
6. Protecta FR Board is not load-bearing. Take appropriate health and safety measures.



Products	Protecta FR Board Protecta FR Acrylic
Application	Fire stopping of bare steel pipes 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

Pipes ≤ Ø40mm	FRR -/180/-
Pipes ≤ Ø219mm	FRR -/180/-
In 280x280mm aperture pipes up to 40mm	FRR -/240/-

Where FRR of floor is less than FRR of the seal, then the lower FRR applies.

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

Sound reduction (seal only) STC 64

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