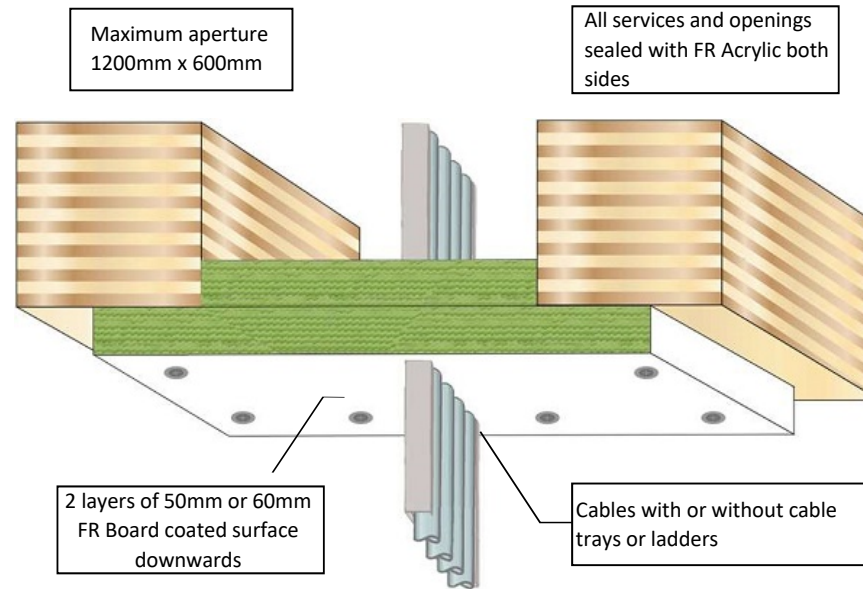


Protecta FR Board - 150mm Timber Floor (Solid or CLT) Cables & Cable Trays

System/FPA Register ID# FC576

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.
- The FR Board may be 50mm or 60mm with coated side facing downwards.
- Cables may be single, bundled or on trays. Trays may be perforated or non-perforated or cable ladders.
- Cut the required boards to suit the aperture dimensions and type and size of service penetration(s). Friction fit the first board into the bottom of the aperture. Apply a nominal 1mm thick layer of FR Acrylic to the top surface of the second board and attach it with minimum 100mm overlap on all sides using 100mm wood screws with penny washers at each corner and <280mm centres 50mm in from edge.
- 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.
- 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.
- 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.

Products	Protecta FR Board Protecta FR Acrylic
Application	Fire stopping of cables, wires and conduits inc cable trays in solid timber or CLT floors
Construction	Minimum floor thickness of 150mm and comprise solid timber or CLT with minimum density of 480kg/m ³ .

Fire & Sound classification

Cables ≤ Ø21mm, single, bundled or on trays	FRR -/90/45
Cables ≤ Ø80mm, single, bundled or on trays	FRR -/90/60
Cables ≤ Ø21mm in tied bundles up to 100mm diam	FRR -/90/60
Smoke-safe (<0.1m ³ /h smoke leakage at 200Pa)	
Sound reduction (seal only)	STC 64



Protecta®

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