

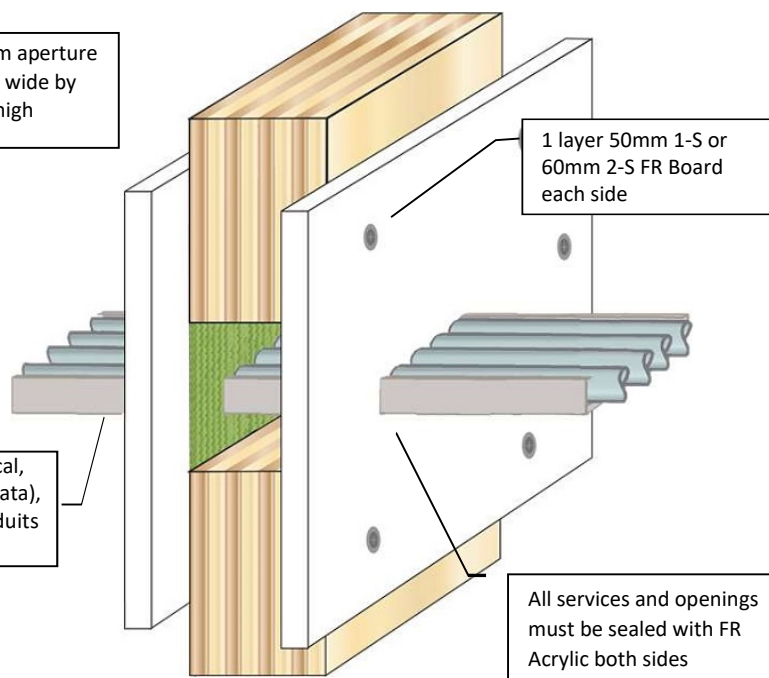
Protecta FR Board Solid Timber or CLT Wall 100mm Cables and Conduits on Trays or Ladders

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 may be 50mm or 60mm with coated side facing outwards.
3. Cut the required boards to suit the aperture dimensions and penetrants, which can be cable ladders, perforated cable trays or non-perforated cable trays.
4. The FR Board must oversail the aperture by 100mm and be bonded to the wall with a bead of Protecta® FR Acrylic. Fix with 100mm wood screws and penny washers at corners and at 300mm centres 50mm in from edge.
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.

Maximum aperture
1200mm wide by
600mm high

Cables (electrical,
fibre optic or data),
wires and conduits
on cable trays



1 layer 50mm 1-S or
60mm 2-S FR Board
each side

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.



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For all technical details on the products specified please refer to the technical data sheets that can be found on www.firestopcentre.co.nz

Signed and approved:

Products	Protecta FR Board Protecta FR Acrylic
Application	Fire stopping of cable trays or ladders in timber walls
Construction	Minimum wall thickness of 100mm and comprise solid timber or CLT with a minimum density of 510kg/m ³

Fire & Sound classification

In 100mm walls, aperture 600h x 1200w:

Cables up to 50mm diam single or bundled and on trays FRR -/120/90

Cables up to 80mm diam single or bundled and on trays FRR -/60/60

Steel or Plastic conduits up to 16mm FRR -/60/60

Copper conduits up to 16mm FRR -/60/45

Unsheathed wires up to 24mm FRR -/60/30

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

Sound reduction (seal only) STC 55



Protecta®

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Scale: NTS	Drawn by: K.B
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