FIRESTOP CENTRE

INNOVATIVE FIRESTOP SOLUTIONS

Authorised New Zealand Distributor
Ph (09) 483 4000 www.firestopcentre.co.nz

Protecta FR Board - Plasterboard Wall
Cables & Conduits on Trays

warringtonfire

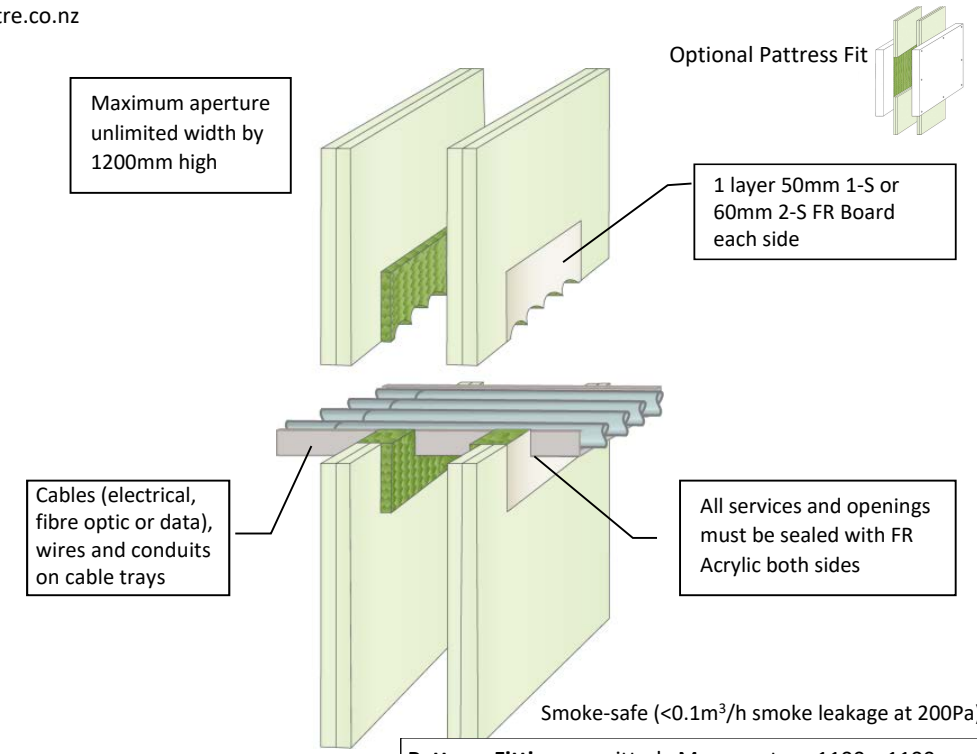
FAS 200262 Pages 55, 56
AS1530.4-2014 AS4072.1-2005

System/FPA Register ID# FC188

Products	Protecta FR Board Protecta FR Acrylic
Application	Fire stopping of cables and conduits on cable trays in flexible walls
Construction	Minimum wall thickness of 75mm comprising steel or timber studs lined on both faces with minimum 1 layer of 13mm thick board.

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 gypsum on both sides or sealed with FR Acrylic if exposed in 75mm walls
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 must be friction fitted. Then all joints, gaps or imperfections in the installed seal must be filled with Protecta® FR Acrylic on both sides.
6. Cable trays may be perforated or non-perforated. Cables and conduits on trays may be single or bundled according to attached FRR limitations.
7. Protecta® FR Board can be over-painted with most emulsion or alkyd (gloss) paints.
8. Apertures are not required to be lined. Cavity insulation is optional.



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

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

Fire & Sound classification

In 100mm walls, double layer plasterboard:

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

In 75mm walls, single layer plasterboard:

Cables up to 80mm diam single or bundled and on trays	FRR -/60/30
Steel or Plastic conduits up to 16mm	FRR -/60/60
Copper conduits up to 16mm	FRR -/60/30
Unsheathed wires up to 24mm	FRR -/60/30
Sound reduction (seal only)	STC 55

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.

ETA 21/0047

Protecta®

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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:

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