

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

Protecta FR Board - Concrete Wall Plastic Pipes (PP, PE, PE-HD, PEX, PP-R) Combustible (Elastomeric or PE Foam) or Non-combustible Insulation

AS1530.4-2014 AS4072.1-2005 System/FPA Register ID# FC103

warringtonfire

FAS 200262 Pages 69, 70, 9, 6

Products Protecta FR Board

Protecta FR Acrylic

Protecta FR Pipe Wrap

Application Fire stopping of plastic pipes with

combustible or non-combustible

insulation in concrete walls

Construction Minimum wall thickness of 75mm

and comprise concrete, aerated concrete or masonry, with a

density of ≥ 650 kg/m3

Fire & Sound Classification

For 100mm thick walls:

PE, PE-HD, PEX, PP, PP-R, PP-H, PP-MV and similar pipes up to 160mm diam with 9 - 50mm thick Elastomeric, PE Foam or non-combustible insulation:

Pipes up to 68mm diam (inc insulation) wrap with 2 layers 50mm Protecta FR Wrap each side FRR -/60/60

Pipes up to 178mm diam (inc insulation) - wrap with 6 layers 50mm Protecta FR Wrap each side FRR -/60/60

Pipes up to 260mm diam (inc insulation) wrap with 10 layers 50mm Protecta FR Wrap each side FRR -/60/60

For 75mm thick walls:

All above FRRs approved subject to maximum FRR -/60/60 and max aperture of 900 x 1200mm (See page 9)

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

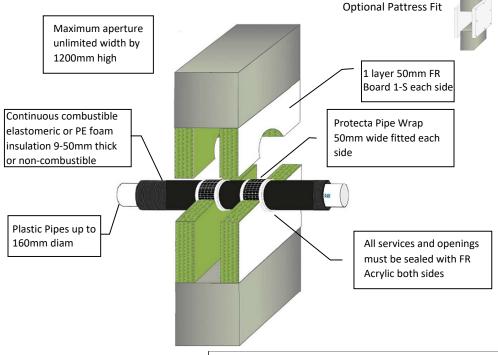
Sound reduction (seal only)

STC 55

Sheet size:	Drawn date & no:
A4	20/4/21
Scale:	Drawn by:
NTS	K.B

<u>Installation Instructions</u>

- 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 coated side of the board should be flush with the surface of the wall on both sides.
- 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.
- Boards to be friction fitted, then 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.
- 7. Apertures not required to be lined. Cavity insulation optional.



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

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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