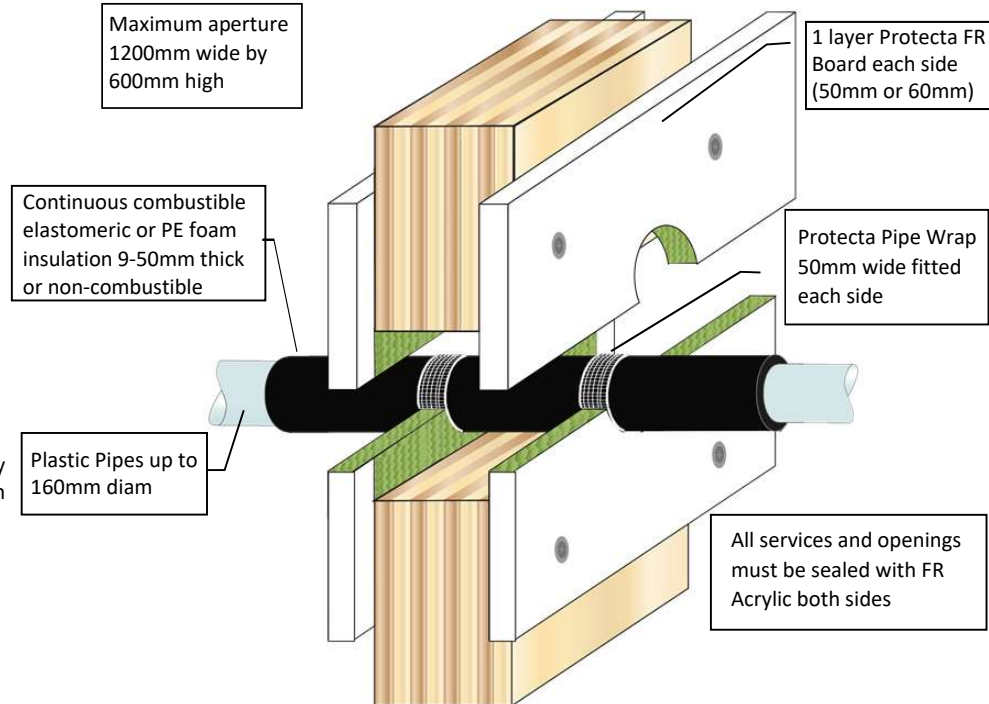


## Protecta FR Board - Timber Wall 100mm Plastic Pipes (PP, PE, PE-HD, PEX, PP-R) Combustible (Elastomeric or PE Foam) or Non-combustible Insulation

### 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 penetrant.
4. Apply the required layers of Protecta FR Pipe Wrap to both sides.
5. 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.
6. All joints, gaps or imperfections in the installed seal must be filled with Protecta® FR Acrylic on both sides.
7. Protecta® FR Board can be over-painted with most emulsion or alkyd (gloss) paints.



<b>Products</b>	Protecta FR Board Protecta FR Acrylic Protecta FR Pipe Wrap
<b>Application</b>	Fire stopping of plastic pipes with combustible or non-combustible insulation in timber walls
<b>Construction</b>	Minimum wall thickness of 100mm and comprise solid timber or CLT with a minimum density of 510kg/m <sup>3</sup>

### Fire & Sound Classification

For 100mm thick solid timber or CLT walls:

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

Smoke-safe (<0.1m<sup>3</sup>/h smoke leakage at 200Pa)

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.



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