

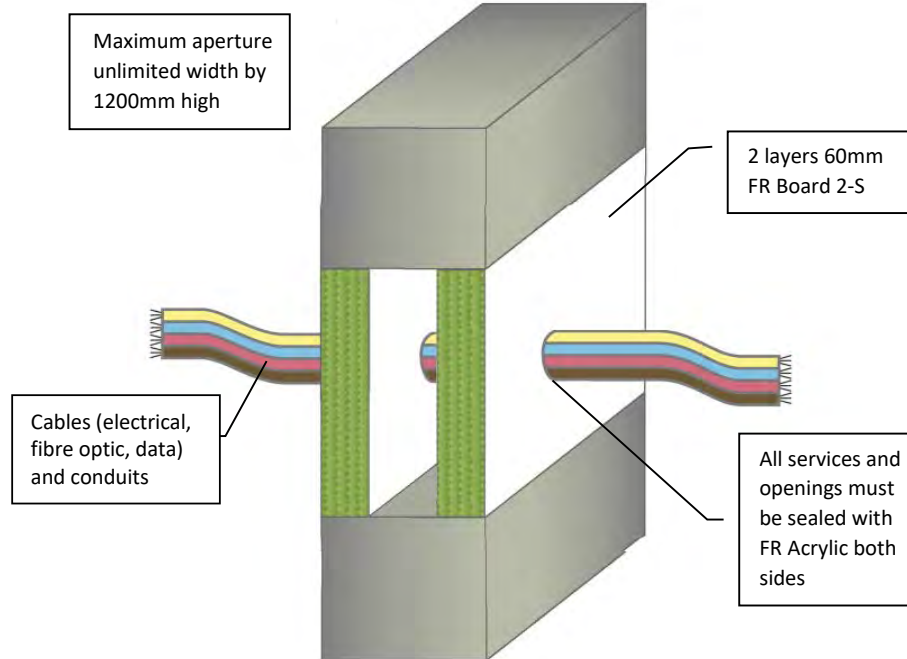
Protecta FR Board Concrete Wall from 75mm Cables and Conduits

Optional Pattress Fit



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 boards should be flush with the surface of the construction on both sides to maximize the fire resistance. If this is not possible, there should be an air gap of at least 30mm between the boards.
3. 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.
4. Boards must be friction fitted or otherwise firmly supported. Then all joints, gaps or imperfections in the installed seal must be filled with Protecta® FR Acrylic on both sides.
5. Protecta® FR Board can be over-painted with most emulsion or alkyd (gloss) paints.



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.

Pattress Fitting permitted Max FRR -/120/120 Max aperture 1100 x 1100mm See Warringtonfire FAS200262 page9



ETA 21/0047 FAS 2000262 AS1530.4-2014 AS4072.1-2005

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Protecta®

System/FPA Register ID# FC310

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|---------------------|--|
| Products | Protecta FR Board Protecta FR Acrylic |
| Application | Fire stopping of cables and conduits in rigid walls |
| Construction | Minimum wall thickness of 75mm and comprise concrete, aerated concrete or masonry, with a density of $\geq 650 \text{ kg/m}^3$ |

Fire & Sound classification

| | |
|--|---------------|
| In <u>150mm</u> wall with 2 x 60mm FR Boards | |
| Single cables $\leq 21\text{mm}$ (or smaller cables in bundle size up to 21mm) | FRR -/240/180 |
| Cables $\leq 21\text{mm}$ in bundles up to 100mm | FRR -/180/120 |
| Cables $>21\text{mm}$, single or bundled up to 80mm | FRR -/180/60 |
| Plastic conduits up to 16mm | FRR -/180/180 |
| In <u>100mm</u> wall with 2 x 50mm FR Boards | |
| Single cables up to 21mm diam | FRR -/120/120 |
| Cables up to 21mm diam in tied bundles up to 100mm diam | FRR -/60/60 |

| | |
|---|-------------|
| In <u>75mm</u> wall with 2 x 50mm FR Boards | |
| Single cables up to 21mm diam | FRR -/60/60 |
| Cables up to 21mm diam in tied bundles up to 100mm diam | FRR -/60/60 |

Smoke-safe ($<0.1\text{m}^3/\text{h}$ smoke leakage at 200Pa)
Sound reduction (seal only) STC 55

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|--------------------------|-----------------------------|
| Sheet size: A4 | Drawn date & no: 20/4/20 |
| Scale: NTS | Drawn by: G.P |