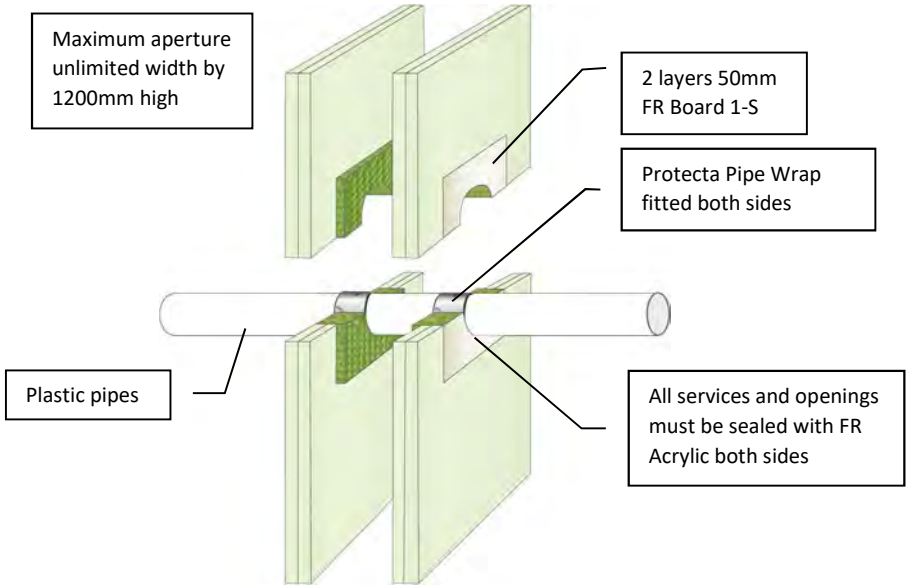
Installation Instructions

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 drywall on both sides.
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 Coating or Protecta® FR Acrylic prior to fitting which will act as an adhesive and ensure a smoke tight seal.
4. 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. The minimum permitted separation between adjacent seals/apertures is 100mm. Services should be a minimum of 25mm from seal edges. Services within the system Protecta® FR Board seal do not require a minimum separation, except where Protecta® FR Pipe Wraps are used, which should be a minimum of 30 mm from other services in the aperture. The total amount of cross sections of services should not exceed 60% of the penetration area.

| Services | Pipe Wall Thickness | FR Pipe Wrap | Classification |
|---|---|---|---|
| ≤ Ø 40mm PVC-U & PVC-C | 1.9 – 3.0mm | 50 x 1.8mm (1 layer) | EI 120 U/U (E 120 U/U) |
| ≤ Ø 40mm PE, ABS & SAN+PVC | 2.4 – 3.7mm | 50 x 1.8mm (1 layer) | EI 120 U/U (E 120 U/U) |
| ≤ Ø 40mm PP | 1.8 – 5.5mm | 50 x 1.8mm (1 layer) | EI 120 U/U (E 120 U/U) |
| ≤ Ø 110mm PVC-U & PVC-C | 2.7 – 6.6mm | 50 x 3.6mm (2 layers) | EI 90 U/C (E 120 U/C) |
| ≤ Ø 110mm PE, ABS & SAN+PVC | 4.2 – 10.0mm | 50 x 3.6mm (2 layers) | EI 90 U/C (E 120 U/C) |
| ≤ Ø 110mm PP | 2.7 – 15.1mm | 50 x 3.6mm (2 layers) | EI 90 U/U (E 90 U/U) |
| ≤ Ø 125mm PVC-U & PVC-C | 3.7 – 7.4mm | 50 x 5.4mm (3 layers) | EI 90 U/C (E 120 U/C) |
| ≤ Ø 125mm PE, ABS & SAN+PVC | 4.8 – 12.0mm | 50 x 5.4mm (3 layers) | EI 90 U/C (E 120 U/C) |
| ≤ Ø 125mm PP | 3.1 – 17.1mm | 50 x 5.4mm (3 layers) | EI 90 U/C (E 120 U/C) |
| ≤ Ø 160mm PVC-U & PVC-C | 4.0 – 9.5mm | 50 x 10.8mm (6 layers) | EI 60 U/C (E 90 U/C) |
| ≤ Ø 160mm PE, ABS & SAN+PVC | 4.9 – 14.6mm | 50 x 10.8mm (6 layers) | EI 60 U/C (E 90 U/C) |
| ≤ Ø 160mm PP | 4.9 – 21.9mm | 50 x 10.8mm (6 layers) | EI 60 U/C (E 60 U/C) |
| ≤ Ø 200mm PVC-U & PVC-C | 4.9 – 11.9mm | 50 x 10.8mm (6 layers) | EI 90 C/C (E 90 C/C) |
| ≤ Ø 200mm PE, ABS & SAN+PVC | 6.2 – 18.2mm | 50 x 10.8mm (6 layers) | EI 90 C/C (E 90 C/C) |
| ≤ Ø 200mm PP | 4.9 – 18.2mm | 50 x 10.8mm (6 layers) | EI 90 C/C (E 90 C/C) |
| ≤ Ø 315mm PVC-U & PVC-C | 7.7 – 12.1mm | 50 x 18.0mm (10 layers) | EI 90 C/C (E 90 C/C) |
| ≤ Ø 315mm PE, ABS & SAN+PVC | 18.7mm | 50 x 18.0mm (10 layers) | EI 60 C/C (E 60 C/C) |
| ≤ Ø 315mm PP | 28.6mm | 50 x 18.0mm (10 layers) | EI 60 C/C (E 60 C/C) |
| ≤ Ø 400mm PVC-U & PVC-C | 9.8 – 15.3mm | 50 x 28.8mm (16 layers) | EI 90 C/C (E 90 C/C) |
| ≤ Ø 400mm PE, ABS & SAN+PVC | 23.7mm | 50 x 28.8mm (16 layers) | EI 60 C/C (E 60 C/C) |

ETA 21/0047

Client:

Job Title:

**Products** Protecta FR Board
Protecta FR Acrylic
Protecta FR Pipe Wrap 25m

**Application** Fire stopping of plastic pipes in flexible walls

**Construction** Minimum wall thickness of 100 mm and comprise steel studs or timber studs* lined on both faces with minimum 2 layers of 12.5 mm thick boards

**Fire & Sound classification**

For fire classifications please see the table on the left.

Sound reduction (seal only) 52 dB

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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.protecta.eu

Signed and approved:

| Sheet size: | Drawn date & no: |
|---|---|
| **A4** | 27/2/21 |
| Scale: | Drawn by: |
| **NTS** | K.B |