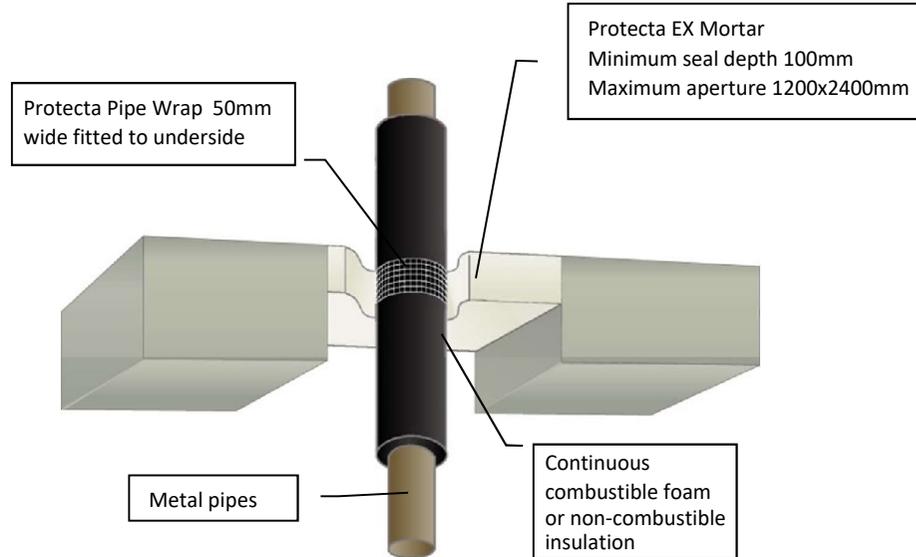


Protecta EX Mortar - Metal Pipe Combustible or Non-combustible Insulation in 100mm Concrete Floor or Wall

Installation Instructions

1. Ensure the faces of the aperture opening are free of dust and any other contaminants. The faces may be moistened for better adhesion.
2. The seal can be positioned to either side of the construction or anywhere in between.
3. Install Protecta FR Pipe Wrap to underside of the seal to the required number of layers.
4. Install a shutter board to achieve the required thickness of mortar. Make sure that this achieves a very tight seal.
5. Pour clean water into a suitable mixing vessel and pour enough mortar to obtain the required consistency. Mix well to avoid lumps. Always add the mortar to the water, do not reverse this mixing process.
6. Once the desired consistency is achieved pour or trowel the mortar onto the shutter board making sure that it flows into all corners and around services. Apply a firm pressure to the mortar to eliminate any trapped air bubbles. Build up to the required depth.



| | |
|---------------------|---|
| Products | Protecta EX Mortar Protecta FR Pipe Wrap 50mm wide. |
| Application | Fire stopping of combustible insulated pipes in rigid floors/walls. |
| Construction | Minimum floor or wall thickness of 100mm and comprise aerated concrete or concrete with a minimum density of 650kg/m ³ . |

| | |
|--|---------------|
| Fire & Sound classification | |
| Note: All systems cover continuous Elastomeric, foil-faced Phenolic Foam or non-combustible insulation | |
| <u>Steel</u> ≤ Ø165mm with 13 - 19mm insulation and 1 layer of pipe wrap | FRR -/180/120 |
| <u>Steel</u> ≤ Ø324mm with 20 - 25mm insulation and 2 layers of pipe wrap | FRR -/240/120 |
| <u>Steel</u> ≤ Ø324mm with 26 - 50mm insulation and 3 layers of pipe wrap | FRR -/120/120 |
| <u>Copper</u> up to 12mm with 9mm insulation and 2 layers of pipe wrap | FRR -/240/240 |
| <u>Copper</u> up to 54mm with 13-25mm insulation and 2 layers of pipe wrap | FRR -/240/60 |
| <u>Alupex</u> up to 75mm with up to 25mm insulation and 2 layers of pipe wrap | FRR -/180/90 |
| Sound reduction (seal only) | STC 64 |

Loadbearing Properties: NOTE following for Health and Safety requirements -
 Soft body impact, serviceability 500Nm. Soft body impact, safety in use 700Nm. Hard body impact serviceability 6Nm. Hard body impact, safety in use 10Nm. Concentrated load to 15kN on size up to 1500mm x1000mm (no failure), 4.85kN on sizes up to 1200mm x 2400mm.

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.



Protecta®

Polyseam Ltd, 15 St Andrews Road,
 Huddersfield, West Yorkshire, HD1 6SB

As a part of our policy of on-going product development and testing, we reserve the right to modify, alter or change product specifications without giving notice. All information contained in this document is given in good faith and is provided for guidance only. Any drawings provided are for illustrative purposes only. As Polyseam has no control over the methods or competence of installation and of prevailing site conditions, no warranties, expressed or implied, is intended to be given as to the actual performance of the product mentioned or referred to herein and no liability whatsoever will be accepted for any loss, damage or injury arising from the use of the information given.

| | |
|---|-----------------|
| Permitted Aperture Sizes | |
| Where standard aperture sizes of 1200mm by 2400mm are stated, the following additional sizes are automatically permitted: | |
| 1100mm x 2900mm | 1000mm x 4000mm |
| 800mm x infinite length | |

| | |
|--------------------------|-----------------------------|
| Sheet size: A4 | Drawn date & no: 23/5/21 |
| Scale: NTS | Drawn by: K.B |