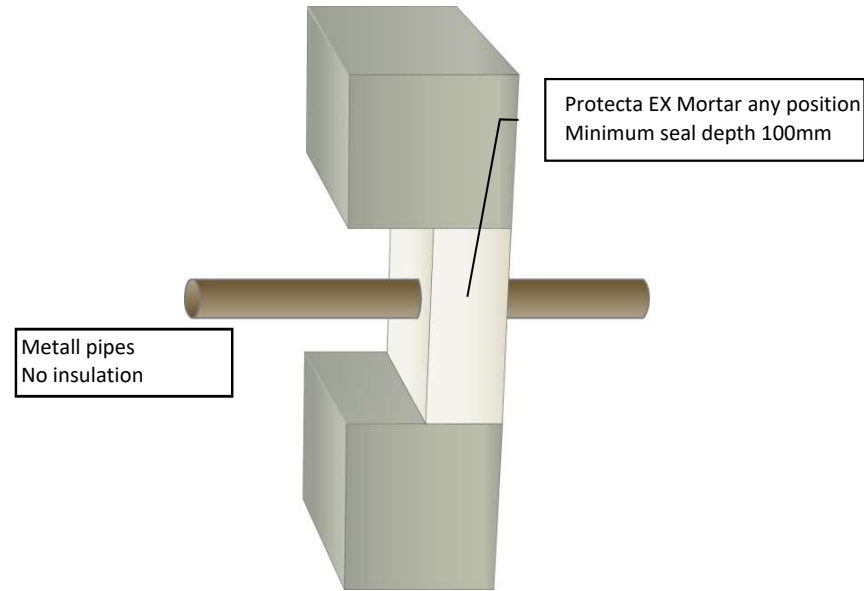


Protecta EX Mortar - Bare Metal Pipe in 100mm Concrete Wall

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. Bare metal pipes passing through the seal must be protected against corrosion using a suitable primer/protection system.
3. The seal can be positioned to either side of the construction or anywhere in between.
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.



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.

System/FPA Register ID# FC346

Products	Protecta EX Mortar
Application	Fire stopping of uninsulated steel pipes in rigid walls.
Construction	Minimum wall thickness of 100mm and comprise aerated concrete or concrete with a minimum density of 650kg/m ³ .

Fire & Sound classification

Steel pipes ≤ Ø219mm in maximum aperture 1200 x 2400mm	FRR -/240/-
Steel pipes ≤ Ø16mm in maximum aperture 1200 x 2400mm	FRR -/240/120
Copper pipes ≤ Ø54mm in maximum aperture 1200 x 2400mm	FRR -/120/-
Alupex pipes ≤ Ø75mm in maximum aperture	FRR -/240/-
Sound reduction (seal only)	STC 64

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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.firestopcentre.co.nz

Signed and approved:

Sheet size: **A4** Drawn date & no: 23/5/21

Drawn by:
 K.B