

Protecta EX Mortar - Steel Pipes Interrupted Insulation in 100mm Concrete Wall

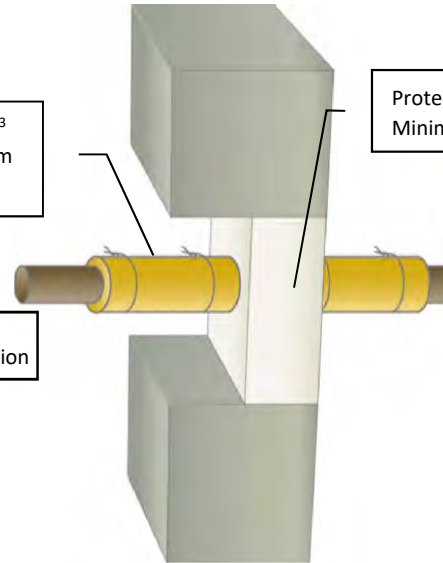
Installation Instructions

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.

Stone wool $\geq 80 \text{ kg/m}^3$
to be installed $\geq 100\text{cm}$
on both sides

Protecta EX Mortar any position
Minimum seal depth 100mm

Steel pipes
Interrupted insulation



Loadbearing Properties

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 x 1000mm (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.

System/FPA Register ID# FC199

Products	Protecta EX Mortar
Application	Fire stopping of insulated 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 $\leq \text{Ø}40\text{mm}$ with $\geq 20\text{mm}$ stone wool insulation in maximum apertures
1200 x 2400mm FRR -/240/240

Steel pipes $\leq \text{Ø}219\text{mm}$ with $\geq 30\text{mm}$ stone wool insulation in maximum apertures
1200 x 2400mm FRR -/240/120

Sound reduction (seal only) STC 64

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.

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

FPANZ ID# **P42**
Drawn by: K.B