FIRESTOP CENTRE
INNOVATIVE FIRESTOP SOLUTIONS
Authorised New Zealand Distributor
Ph (09) 483 4000 www.firestopcentre.co.nz

Protecta FR Damper (Round or Rectangular) Concrete Floor with Mortar

warringtonfire
FAS190052 AS1530.4-2014 AS4072.1-2005

System / FPA Register ID# FC474

Products	Protecta EX Mortar Protecta FR Damper
Application	Fire stopping of ventilation ducts in rigid floors
Construction	Minimum floor thickness of 100 mm* and comprise aerated concrete or concrete with a minimum density of 650kg/m^3.

Fire & Sound Classification

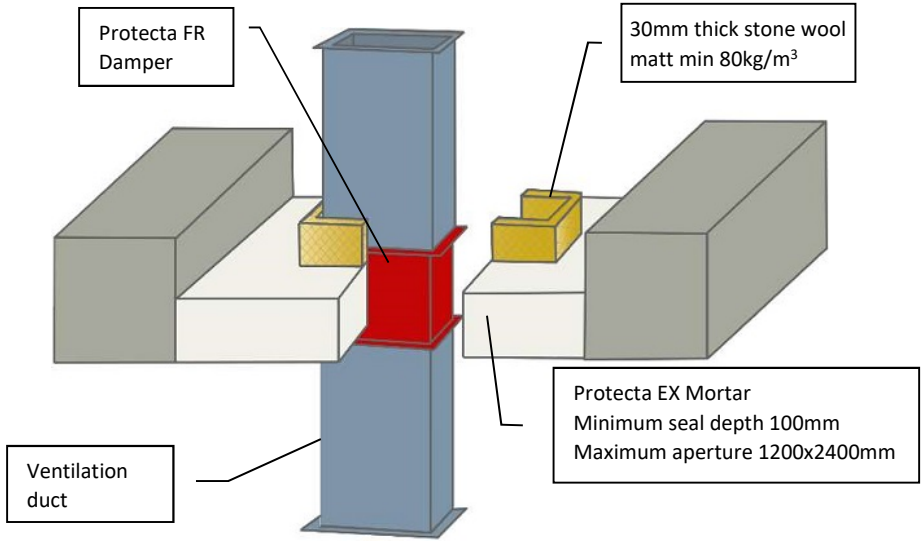
Up to 400mm diam damper/duct with 150mm stone wool on the top side FRR -/180/120
Up to 1000mm diam damper/duct with 500mm stone wool on the top side FRR -/90/90
Up to 600 x 1000mm damper/duct with 500mm stone wool on the top side FRR -/90/60
Up to 1000 x 1000mm damper/duct with 500mm stone wool on the top side FRR -/90/90

*NOTE: FRR shown above are for 150mm floors. For 100mm floors FRR must match rating of the floor.

Sound reduction (seal only) STC 48

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 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. When installing Protecta® EX Mortar in hollow floor slabs or boards, level the fire seal with the soffit side. Ensure there is sufficient thickness of concrete below the void for the depth of mortar. Where this is not the case, tubular voids should be filled with stone wool normally the same thickness as the depth of the floor slab.
5. Install a shutter board to achieve the required thickness of mortar. Make sure that this achieves a very tight seal.
6. Pour clean water into a suitable mixing vessel and add the mortar to obtain the required consistency. Mix steadily at low speed and ensure that any lumps of powder are fully dispersed. Always add the mortar to the water, do not reverse this mixing process.
7. 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.
8. Insulate the ventilation duct towards the fire seal on the top side with 30mm thick stone wool matting to the length given in Fire & Sound Classification.



Minimum separations and limitations in EX Mortar seal
An aperture can include several services, and they may also be different. The minimum permitted separation between adjacent seals/apertures is 200mm. Services should be a minimum of 30mm from seal edges. Services within the seal do not require a minimum separation, except pipes where combustible pipe insulation penetrates the seal and plastic pipe penetrations which should be a minimum of 30mm from other services in the aperture. The total amount of cross sections of services (including insulation) should not exceed 60% of the penetration area.

Protecta®

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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:

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