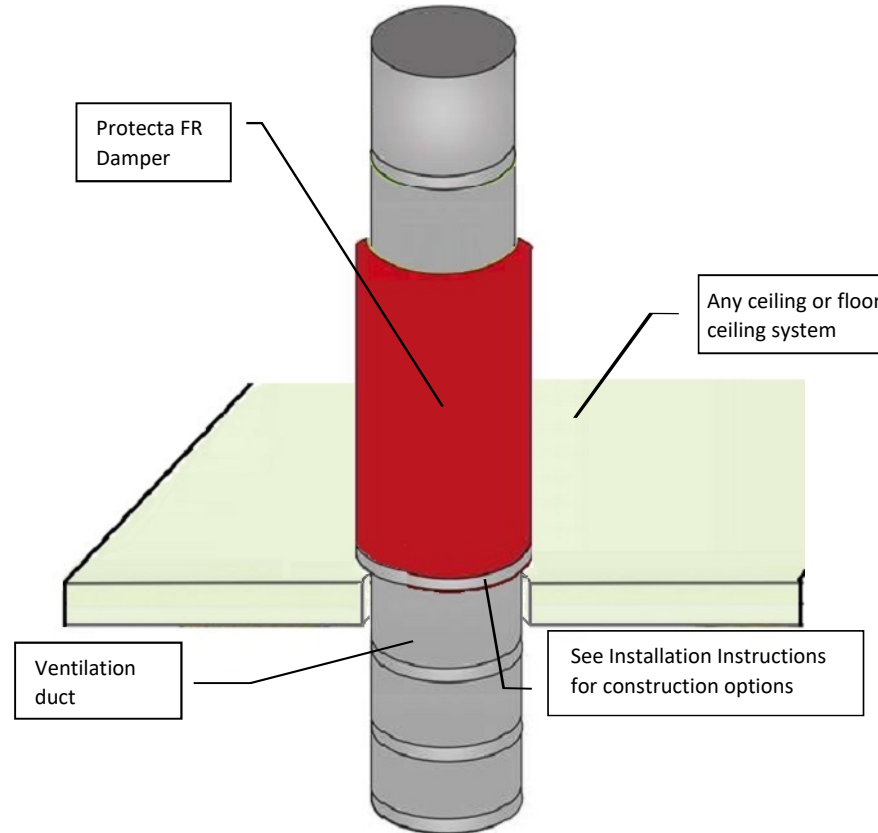


Protecta FR Damper

Any approved ceiling or floor/ceiling system
 Internal fire protection only

Installation Instructions

- Support:**
Depending on the construction, the FR Damper will need to be supported during installation. The particular support mechanism may be decided by the installer.
- External Fire:**
If the ceiling is specified as the fire cell it will be necessary for the installer to seal the penetration of the duct through the plasterboard ceiling with an approved fire sealant.
- Thermal Rating:**
If the duct is passing through a floor and a thermal rating is required, thermal insulation (30mm thick mineral wool min 80kg/m³ or equivalent) will need to be applied for a minimum of 150mm (gives 120minutes on duct up to 400mm diam) or 500mm (gives 90minutes on duct up to 1000mm diam) from the top of the FR Damper.
- Incipient Fire Rating:**
If an Incipient Fire Rating is required (for example if the duct does not penetrate the floor but remains in the ceiling space) then insulation as above is required with the addition of insulation around any exposed duct between the bottom of the FR Damper and the fire seal at the plasterboard penetration.



System and FPA Register ID# FC417

Products	Protecta FR Damper
Application	Fire stopping of ventilation ducts in ceilings or floor/ceiling systems
Construction	Any complying Gib ceiling or floor/ceiling system

Fire Classification

Up to 400mm diam damper/duct	FRR -/180/-
Up to 1000mm diam damper/duct	FRR -/90/-

NOTE: Protecta FR Dampers have been tested in a vertical orientation multiple times in various substrates. However, ceiling and floor/ceiling systems have a wide variety of constructions and the FRR shown above are for internal fire requirements only. For suggestions regarding external fire, thermal ratings, etc see Installation Instructions opposite.



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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