

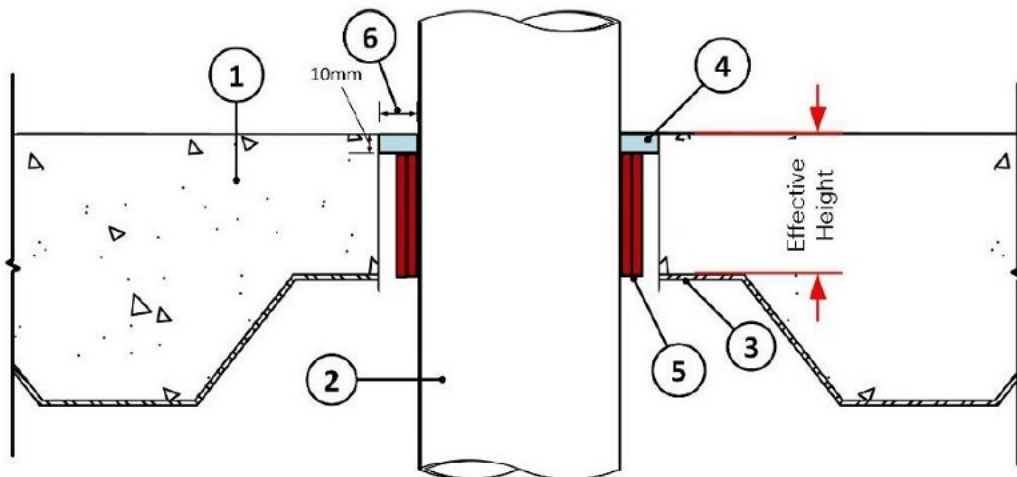
## 3M™ Fire Protection

### Design Specification Sheet : Tuck-In Wrap Composite Floor

Through Penetration	Construction Type	FRR	Compliance Report
PVC or PVC-U Pipe	Composite floor with topping from 75mm thick, with or without supporting deck or form	Up to -/180/180	AS 1530.4 & AS 4072.1 BRANZ FC10453 System/FPA Register ID# FC362

## 3M™ Fire Barrier Tuck-In Wrap Strip Fire Stopping System

### PVC or PVC-U Pipes in Composite Floors



### Installation

- Composite floor slab. Topping may be of any thickness from 74mm (to accommodate 64mm tuck-in wrap plus 10mm sealant). The FRR of the seal will match the FRR of the floor as per AS 3600 standard ratings for concrete thickness (Table 1).
- PVC or PVC-U Pipe, pipe sizes and number of strips as per Table 2.
- Optional steel deck or form.
- 3M 3000WT Sealant around the pipe 10mm deep finished flush with the top of the slab.
- 3M™ Tuck-In Wrap Strip fitted closely around the pipe and recessed 10mm from top of the slab.
- Annular gap as per Table 2.

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**Table 1 - FRR for Tuck-In Wrap Strip in Various Floor Thicknesses (as per AS3600 standard ratings)**

Floor Slab Thickness	Fire Insulation Rating from AS3600 Table	FRR of System with 3M Tuck-In Wrap
60mm*	30 minutes	-/30/30
80mm	60 minutes	-/60/60
100mm	90 minutes	-/90/90
120mm	120 minutes	-/120/120
150mm	180 minutes	-/180/180

\*Minimum practical floor slab thickness is 74mm (to allow for Wrap Strip plus 10mm of Sealant).

**Table 2 - PVC or PVC-U Pipe and Aperture Sizes for 3M™ Tuck-In Wrap Strip**

Pipe Outside Diameter	Pipe wall Thickness	Annular Gap	No. of Wraps	FPANZ Register ID#
50mm	Up to 3.7mm	Up to 21mm	1	FC362
110mm	Up to 6.6mm	Up to 11mm	1	FC362
110mm	Up to 6.6mm	Up to 21mm	2	FC362
114mm	Up to 5.0mm	Up to 19mm	1	FC362
114mm	Up to 6.0mm	Up to 19mm	2	FC362
160mm	Up to 9.5mm	Up to 21mm	2	FC362

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