

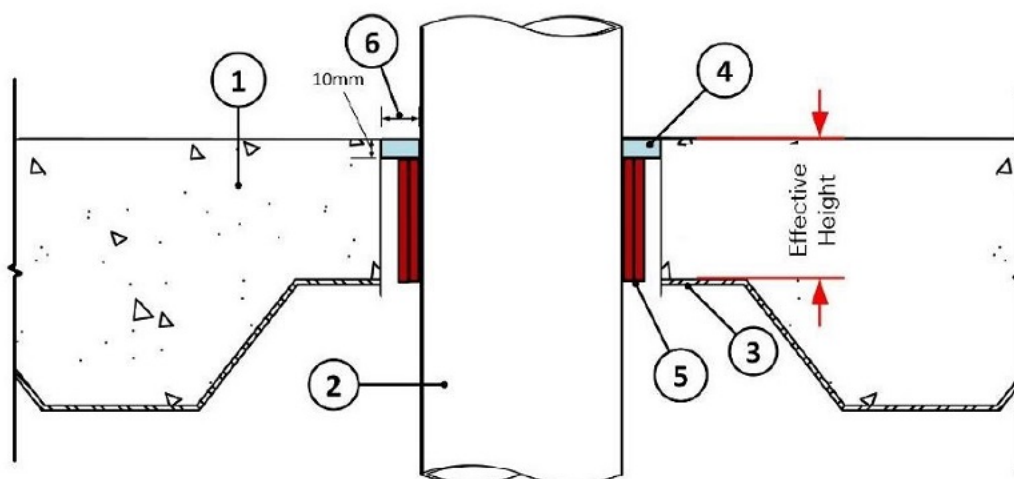
3M™ Fire Protection

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 1530.4:2014 & AS 4072.1 BRANZ FC10453 Pg 10 System/FPA Register ID# FC362

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

PVC or PVC-U Pipes in Composite Floors



Installation

1. 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).
2. PVC or PVC-U Pipe, pipe sizes and number of strips as per Table 2.
3. Optional steel deck or form.
4. 3M 3000WT Sealant around the pipe 10mm deep finished flush with the top of the slab.
5. 3M™ Tuck-In Wrap Strip fitted closely around the pipe and recessed 10mm from top of the slab.
6. Annular gap as per Table 2.

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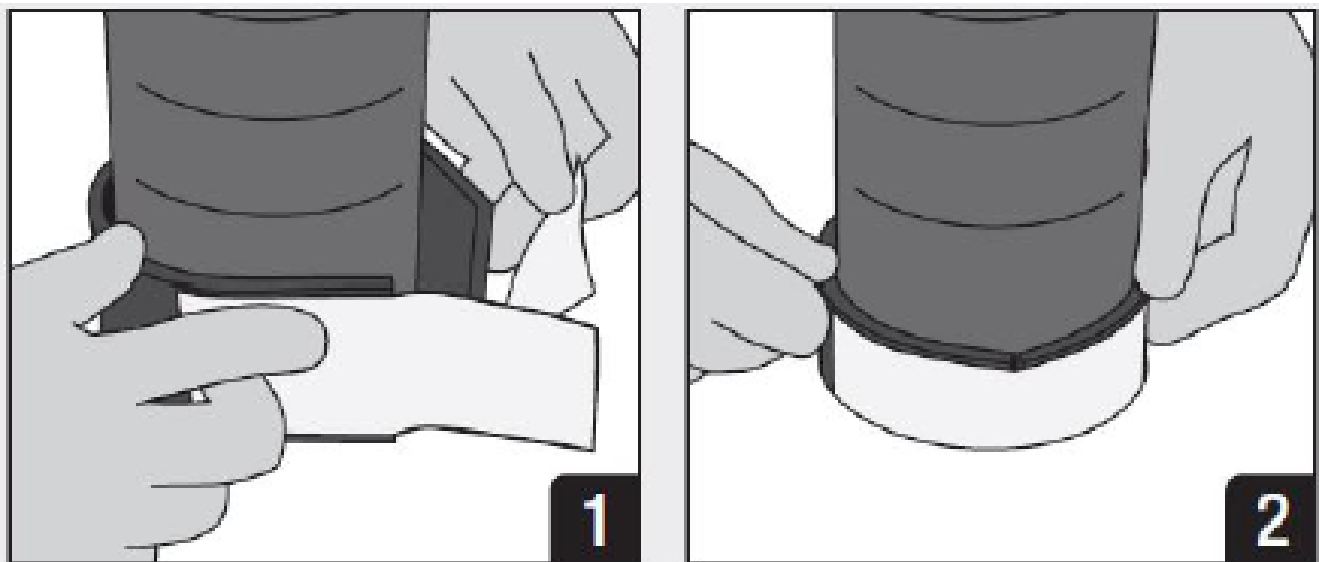
Table 1 - FRR for Tuck-In Wrap Strip in Various Floor Thicknesses (as per AS3600 standard ratings)

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#
Up to 50mm	Up to 3.7mm	Up to 21mm	1	FC362
Up to 110mm	Up to 6.6mm	Up to 11mm	1	FC362
Up to 110mm	Up to 6.6mm	Up to 21mm	2	FC362
Up to 114mm	Up to 5.0mm	Up to 19mm	1	FC362
Up to 114mm	Up to 6.0mm	Up to 19mm	2	FC362
Up to 160mm	Up to 9.5mm	Up to 21mm	2	FC362



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