

Pyropanel RF collars for Armaflex-clad Metal Pipes

DESCRIPTION

Pyropanel Retrofit fire collars have been tested and approved for many uses, including sealing copper pipes that are insulated with FR Armaflex® flexible foam insulation passing through fire rated elements.

APPLICATIONS

Penetrations containing FR Armaflex®-clad copper pipes for hot, cold and air-conditioning (twin pipes) through fire rated concrete/masonry walls and floors, and drywalls.

FEATURES

- Fully certified to Australian Standards AS1530.4 & 4072 for up to 2 hours of fire rating.
- Quick and easy to install.
- Intumescent material expands in a fire, replacing the foam insulation and creating a solid and compacted expansion char.
- The addition of mineral fibre insulation will increase the Insulation rating in certain larger pipe applications. See table below for options.

INSTRUCTIONS

- Use Multiflex sealant to seal small gaps between armaflex insulation and wall/floor interface.
- Clip Retrofit collar around armaflex insulation.
- Apply bead of Multiflex fire rated sealant to back of collar prior to pushing against wall or floor.
- Attach collar to underside of slab or to wall using steel fixings (Dynabolts, steel knock-ins for masonry elements, and screws with washers for plasterboard walls).
- Do not seal between pipe and inside of collar.

HOW TO SPECIFY

Eg, "Seal penetration using Pyropanel RF 50 Retrofit Fire rated collar and Pyropanel Multiflex fire rated sealant, installed as per manufacturer's instructions".*

* Denotes example - delete, change or specify as required

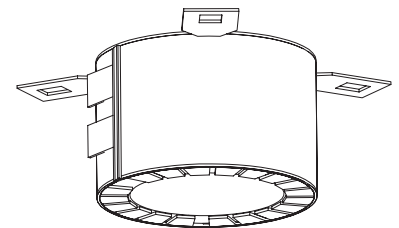
MODELS AVAILABLE

Model	Nominal pipe diameter (mm)	Thickness of insulation (mm)	Nom. Collar opening (mm)	FRL
RF 40	15 or 20	9	45	-/120/120
RF 40	15	13	45	-/120/120
RF 50	20	9-13	58	-/120/120
RF 50	10 + 6 (twin)	10 + 12 (twin)	58	-/120/120
RF 50	25	13	58	-/120/120
RF 65	25	19	70	-/120/120
RF 100	50	19	112	-/120/30 ¹ -/120/120 ²
RF 125	75	19	130	-/120/30 ¹ -/120/120 ²
RF 150	100	25	165	-/120/30 ¹ -/120/120 ²

Notes:

- If no insulation protection is used over the FR Armaflex cladding.
- With 50mm thick, 450 grade mineral fibre insulation (one sided foil faced), 600mm long. For wall applications - fibre insulation on either side of the wall. For floor applications - fibre insulation on the upper surface of the floor.

Note: Minimum 140mm element thickness for fire rated Masonry/Concrete walls. Minimum 120mm element thickness for fire rated Concrete floors. Minimum 112mm thickness for Fire rated plasterboard walls.



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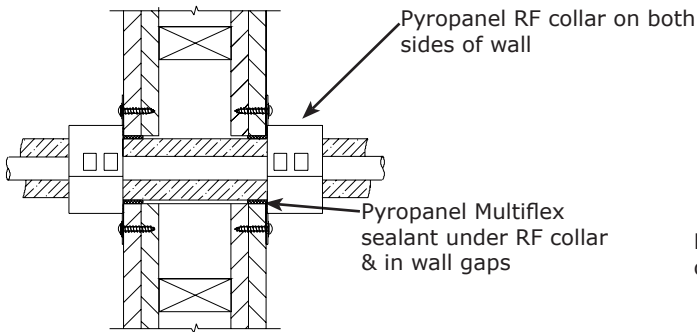
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Note: *The Tech Sheet is an uncontrolled document, If printed please refer to the Tech-Sheet on the website to check if this document is valid.*

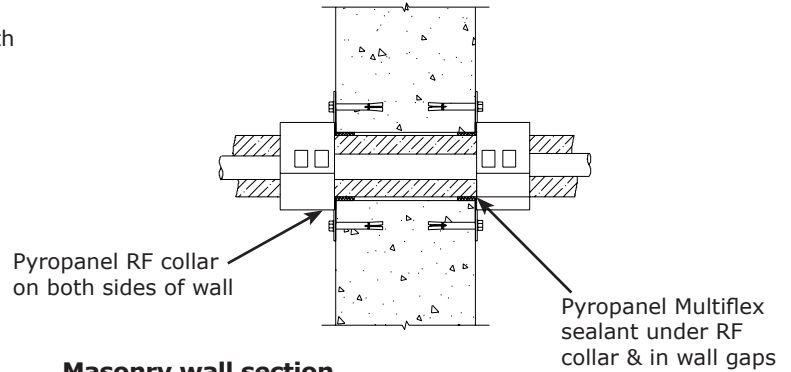
COLLARS & WRAPS

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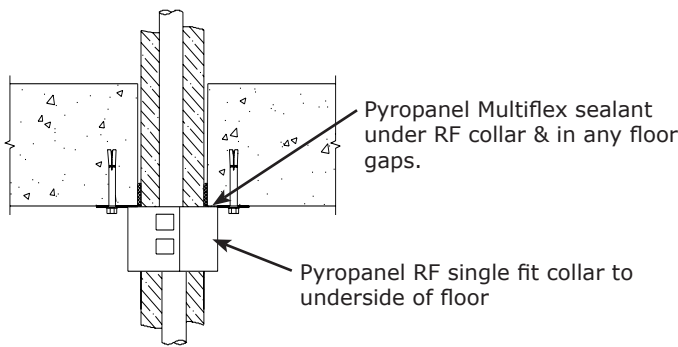
BUILDING IN DETAILS



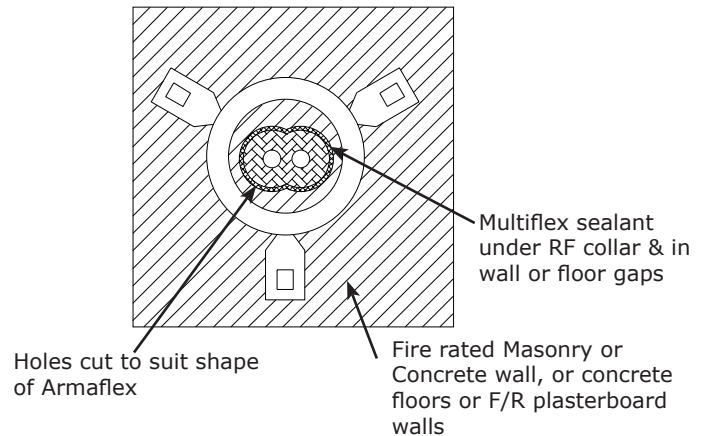
Plasterboard wall section



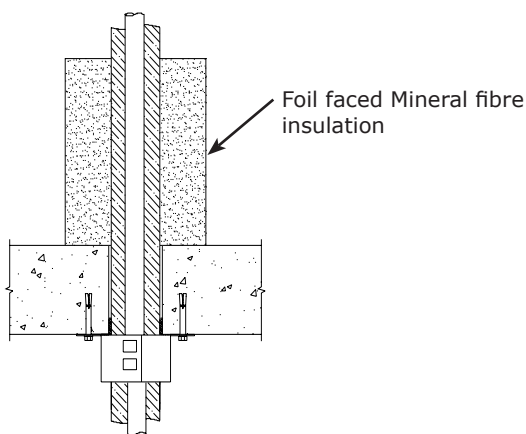
Masonry wall section



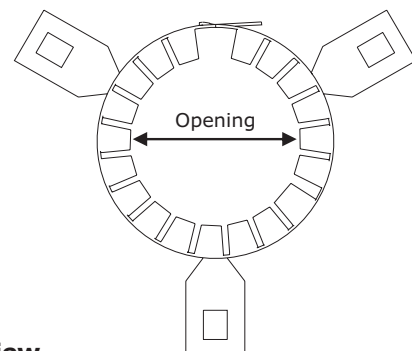
Concrete floor section



Twin pipe application through RF 50 fire collar with intersecting holes for Armaflex insulation pipe passing through



Example of Mineral fibre insulation for RF 100 -RF 150 in concrete floor application to achieve -/120/120.



Collar end view

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