

Fyrepilg Pillows

Miscellaneous Service Penetrations

**Up To 4 Hours
Fire Protection**
(to AS 1530.4 - 1997)

Fyreplug Pillows

Description

Fyreplug Pillows are fire retardant fabric bags containing high temperature granulated rockwool. As fire stopping systems, the pillows offer great flexibility in securing openings in fire rated construction elements against the passage of smoke and the spread of fire.

Applications

Fyreplug Pillows are designed to be used to fire stop openings in wall and floor slabs which may incorporate penetrations including metal pipes, electrical cables and bus bars requiring up to 4 hours fire rating compliance.

- In situ internal jointing of concrete, precast panels, block and brick work and drywall systems.
- Sealing of electrical cables and pipe penetrations
- May be used in conjunction with other systems such as Fyreflex Sealant and Vermiculux boards.

Advantages

- Easy to install—can be used in multiple service applications, in floor and walls
- Cost effective—saves time, particularly in difficult access locations.
- Easily removed to allow for new services to be passed through opening.
- Versatile—can be re-used after removal without a loss of fire performance

Method of Application

MASONRY FLOORS AND SLABS:

Pillows are to be tightly packed into the opening and around penetrating services. Use a variety of different sizes of pillows to achieve a neat fit.

PLASTERBOARD WALLS:

Steel studs are to be fitted around opening and Fyreplug Pillows are to be packed tightly into opening and around penetrating services. Use a variety of different sizes of pillows to achieve a neat fit.



Testing and Specification

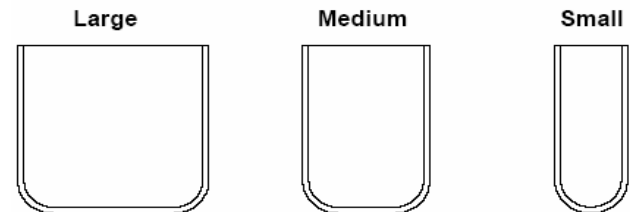
TESTING

Fire tests have been conducted to AS 1530.4, in accordance with AS 4072.1, on concrete floors, brick, masonry, tilt-up panels, block, and plasterboard walls.

SPECIFICATION

“...openings are to be sealed, so as to maintain the FRL of the element (floor or wall) in accordance with AS 1530.4 using Trafalgar Fyreplug Pillow system as described in the manufacturers printed instructions.”

Sizes Available

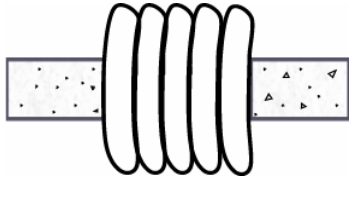
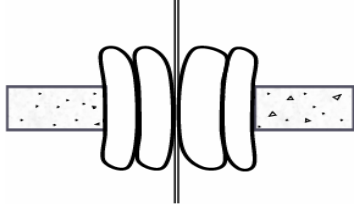
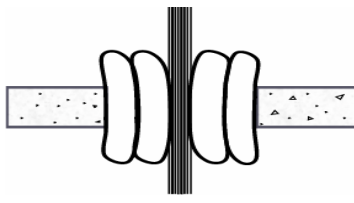
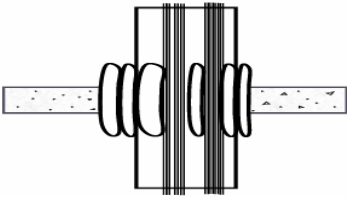
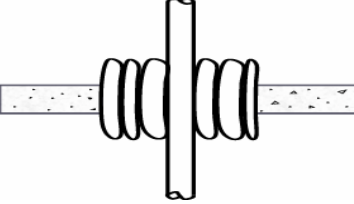
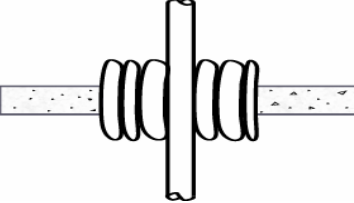
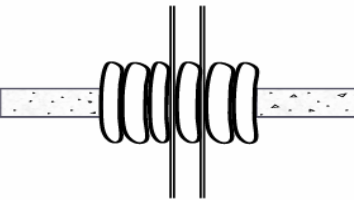


PILLOW SIZE	NOMINAL DIMENSIONS	QUANTITY PER m ²	PILLOWS PER CARTON
Large	300 x 300 x 40mm	125	30
Medium	300 x 200 x 40mm	190	45
Small	300 x 100 x 20mm	600	100

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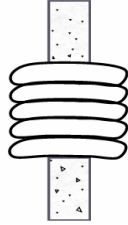
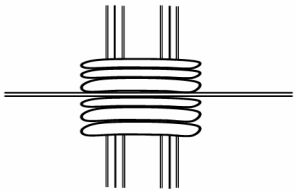
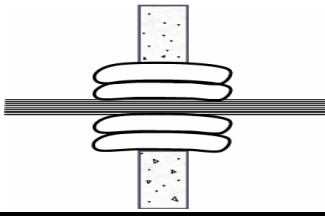
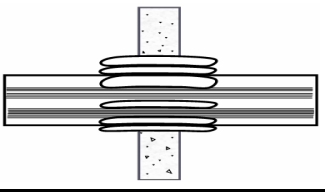
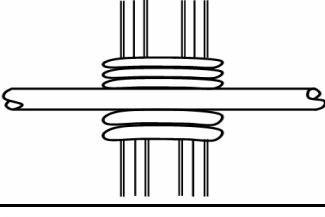
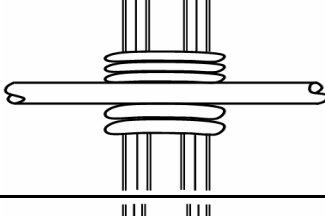
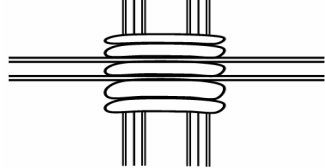
Floor Penetrations

SERVICES	SYSTEM DESCRIPTION	FRL	DIAGRAM
UNPENETRATED	<p>Pillows tightly packed into opening</p> <p>Maximum size of opening</p> <ul style="list-style-type: none"> 700mm x unlimited in modules of 200mm 400mm x 400mm 	-/240/240 -/120/120	
SINGLE CABLES	<p>Up to 70mm diameter cables</p> <p>Seal annular gaps with Fyreflex</p>	-/180/-	
CABLE BUNDLES	<p>Bundle of up to 150mm x 150mm power cables.</p> <p>Cables 28mm diameter used.</p> <p>Seal annular gaps with Fyreflex</p>	-/180/-	
MULTIPLE CABLE PENETRATIONS	<p>Metal cable trays up to 200mm wide supporting assorted cables. Individual cable size up to 70mm.</p> <p>Seal annular gaps with Fyreflex</p>	-/120/-	
STEEL PIPES	<p>Steel pipes up to 100mm diameter.</p> <p>Pillows packed tightly around penetration.</p> <p>Seal annular gaps with Fyreflex</p>	-/120/-	
BRASS AND COPPER PIPES	<p>Brass and copper pipes up to 100mm nominal diameter.</p> <p>Annular gaps sealed with Fyreflex to minimum depth of 30mm</p>	-/120/-	
COPPER AND ALUMINIUM BUS BARS	<p>Copper and aluminium bus bars up to 200mm x 10mm.</p> <p>Pillows packed around and between bus bars.</p>	-/240/-	

SALES OFFICE:

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Wall Penetrations

SERVICES	SYSTEM DESCRIPTION	FRL	DIAGRAM
UNPENETRATED	<p>Pillows tightly packed into opening</p> <p>Maximum size of opening</p> <ul style="list-style-type: none"> 1800mm x 400mm 2000mm x 400mm 3000mm x 800mm with Vermiculux fillets to locally thicken wall to 230mm. (Masonry walls only) 	<p>-/240/240</p> <p>-/120/120</p> <p>-/120/120</p>	
SINGLE CABLES	<p>Up to 80mm diameter cables</p> <p>Up to 20mm diameter cables</p> <p>Seal annular gaps with Fyreflex</p>	<p>-/60/-</p> <p>-/120/-</p>	
CABLE BUNDLES	<p>Bundle of up to 6 x 10 cables. 25mm cables may be used.</p> <p>Seal annular gaps with Fyreflex</p>	-/180/-	
MULTIPLE CABLE PENETRATIONS	<p>Metal cable trays up to 200mm wide supporting assorted cables. Individual cable size up to 80mm.</p> <p>Seal annular gaps with Fyreflex</p>	-/120/-	
STEEL PIPES	<p>Steel pipes up to 90mm diameter.</p> <p>Pillows packed tightly around penetration.</p> <p>Seal annular gaps with Fyreflex</p>	-/120/-	
BRASS AND COPPER PIPES	<p>Brass and copper pipes up to 90mm nominal diameter.</p> <p>Annular gaps sealed with Fyreflex to minimum depth of 30mm</p>	-/120/-	
COPPER AND ALUMINIUM BUS BARS	<p>Copper and aluminium bus bars up to 200mm x 10mm.</p> <p>Pillows packed around and between bus bars.</p>	-/240/-	

SALES OFFICE: