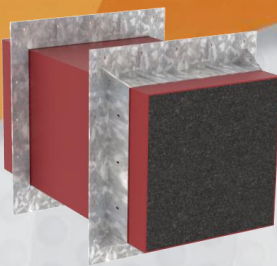




SINGLE LAYER SOLUTIONS

For Fire Rated Plasterboard Walls



The Trafalgar fire stopping range includes:

Sealant | Pillows | Mortar | FR Batts
FR Collars | FR Access Panels | Pipe Wraps
FyreWrap Duct Wrap | FR Downlight Covers
Intumescent Dampers | Fire Door Hardware
Fire Rated Board and Systems | Cable Coating
FYREBOX for multiple and mixed services

SINGLE LAYER PLASTERBOARD

Wall System Overview

Penetration Solutions

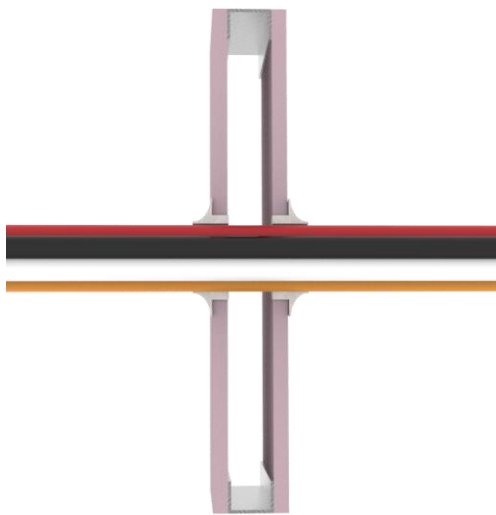
Single layer fire-rated plasterboard walls are becoming more and more popular across the Australian building industry due to the reduction in overall wall thickness and their ability to provide a-/60/60 or greater fire rating as required for partition walls in many residential apartments and other applications.

Trafalgar is committed to innovation within the passive fire industry and as such have been busy testing many of our products to maintain the fire resistance level of penetrations in

these specific single layer wall systems in accordance with AS1530.4 and AS4072.

Compliance

Single layer plasterboard walls are generally thinner than the more common double layer plasterboard walls. AS1530.4 does not allow the use of test data from double layer walls to be applied to single layer plasterboard walls, and requires any penetration through a thinner wall system to be fire-tested to determine the FRL of the penetration. The Trafalgar products in this datasheet have been tested specifically in single layer wall systems and are fully compliant under the National Construction Code (NCC).



Small cable penetration with
FyreFlex Sealant





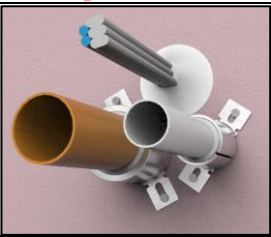
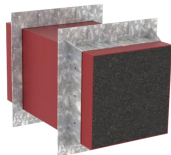
To maintain market leadership, Trafalgar stay up to date with the latest technologies and trends in passive fire protection and contemporary construction techniques. **We are 70 years strong and still innovating!**

SINGLE LAYER PLASTERBOARD

Products Overview

Penetration Solutions

Table 1 - Cables and Conduits

Wall	Services	Product	FRL
13mm and 16mm Single-layer fire rated plasterboard	Mixed services: Power and data cables as well as PEX and Gas PEX piping, conduits, air-con lines and steel sprinkler pipes	Fyrebox Slab-Mount with TWrap 25 as required 	-/60/60 -/90/90**
	- Up to 3 x 3C+E 20mm diameter power cables	FyreFlex Sealant 	-/90/60 -/90/90*
16mm Single-layer fire rated plasterboard	- Up to 5 x power/data cables (TPS, CAT5/6)		-/90/90
	PVC Conduits 16mm up to 40mm diameter (with power or data/fibre cables)	FyreChoke Micro Collar 	-/90/90
	PVC conduit 50mm with up to 2x20mm diameter cables	FyreChoke Retro-fit Collar 	-/90/90
	Cluster of 3 services: PVC conduits and a cables	2 x FyreChoke Micro Collars can be installed 30mm apart from a small sealant penetration 	-/60/60
	Up to 5 x power (TPS) 10 x data cables (CAT5/6)	Fyrebox Mini 125x125mm 	-/90/30 -/90/90*

* For insulation rating, FyreWrap must be installed around the system for 450mm on either side of the wall.

** For insulation rating, TWrap 25 must be installed around the system for 300mm on either side of the wall.





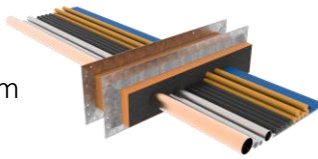
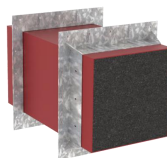

For further information on the above systems, please refer to the individual product technical manuals, or contact Trafalgar.

SINGLE LAYER PLASTERBOARD

Products Overview

Penetration Solutions

Table 2 – **Metal Pipes and Air-conditioning**

Wall	Services	Product	FRL
13mm and 16mm Single-layer fire rated plasterboard	Bare copper and steel pipes up to 100mm	FyreFlex Sealant 	-/90/90*
	Air-conditioning: 1x Pair coil (9x19mm with Armaflex) and power/data cables to suit	50mm FyreChoke Retro-fit Collar 	-/60/60**
	Air-conditioning: 3x Pair coil (9x19mm with Armaflex or PE), power/data cables and 20mm PVC drain line	100mm FyreChoke Retro-fit Collar 	-/60/60**
	Mixed services: PEX and Gas PEX piping, conduits, air-con lines, steel sprinkler pipes as well as power and data cables	Fyrebox Slab- Mount with TWrap 25 to services as required 	-/60/60 -/90/90**
	Mixed services: PEX and Gas PEX piping, power/data cables, conduits, air-con lines and steel sprinkler pipes	Fyrebox Maxi up to 550x125mm 	-/90/30 -/90/90*
16mm Single-layer fire rated plasterboard	Insulated copper pipes (including air-conditioning pair coil) with cables . Up to 5 x power (TPS) and 10 x data cables (CAT5/6).	Fyrebox Mini 125x125mm 	-/90/30 -/90/90*
Locally thickened 13mm and 16mm single-layer fire rated plasterboard (additional second layer of FR plasterboard secured around the wall opening)	Air-conditioning: 1x Pair coil (9x19mm with Armaflex) and power cables / data cables / PVC drain pipe to suit	Fyrepex HP Intumescent Sealant 	-/90/90

* For insulation rating, FyreWrap must be installed around the system for 450mm on either side of the wall.



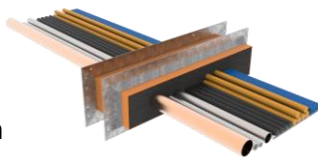
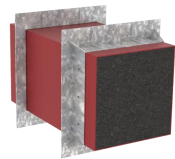



** For insulation rating, TWrap 25 must be installed around the system for 300mm on either side of the wall.

SINGLE LAYER PLASTERBOARD

Products Overview

Penetration Solutions

Table 3 – **Plastic Pipes**

Wall	Services	Product	FRL
13mm and 16mm Single-layer fire rated plasterboard	PEX-B pipes 16mm up to 20mm diameter	Fyreplex Sealant 	-/60/60
	PEX-AL-PEX pipes 16mm up to 20mm diameter		
	Mixed services: PEX and Gas PEX piping, conduits, air-con lines, steel sprinkler pipes as well as power and data cables	Fyrebox Slab- Mount with TWrap 25 to services as required 	-/60/60 -/90/90**
	Mixed services: PEX and Gas PEX piping, power/data cables, conduits, air-con lines and steel sprinkler pipes	Fyrebox Maxi up to 550x125mm 	-/90/30 -/90/90*
16mm Single-layer fire rated plasterboard	Mixed services: PEX and Gas PEX piping, power/data cables, conduits, air-con lines and steel sprinkler pipes	Fyrebox Mini 125x125mm 	-/90/30 -/90/90*
	PVC Pipes 16mm up to 40mm diameter	FyreChoke Micro Collar 	-/90/90
	PVC Pipes 50mm diameter	FyreChoke Retro-fit Collar 	-/90/90
Locally thickened 13mm and 16mm single-layer fire rated plasterboard (additional second layer of FR plasterboard secured around the wall opening)	PEX-B pipes 16mm up to 25mm diameter	Fyreplex Sealant 	-/90/90
	PEX-AL-PEX pipes 16mm up to 20mm diameter		

* For insulation rating, FyreWrap must be installed around the system for 450mm on either side of the wall.

** For insulation rating, TWrap 25 must be installed around the system for 300mm on either side of the wall.

For more information on these products head to www.tfire.com.au or call 1800 888 714



Trafalgar has developed a range of **installation videos** to assist our customers. To view these step by step install videos please go to www.youtube.com and search for **Trafalgar TV**. Subscribe and you will be notified when new videos are uploaded.

tfire.com.au

TRAFALGAR

1800 888 714