



## FYREPEX™ HP

Graphite Intumescent Sealant



**Available in 310ml Cartridge AND 600ml Sausage**



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  
FIREBOX™ for multiple and mixed services

# FYREPEX™ HP

Graphite Intumescent Sealant

## Product Overview

FYREPEX™ High Performance sealant is a graphite water based intumescent sealant that is used for the fire stopping of service penetrations through fire rated walls and floors, to prevent the spread of fire.

The sealant reacts to the heat of a fire and expands - exerting pressure on plastic and insulated pipe and cable services to close-off the penetration and prevent fire from spreading from one compartment to the next. FYREPEX HP graphite sealant contains inert fillers and graphite, and is for internal use only.



PEX-AL-PEX pipe and FYREPEX™ Sealant  
in a 2 hour plasterboard wall

### APPLICATION:

FYREPEX™ Sealant can be used to fire seal PEX water pipes, PEX-AL-PEX gas pipes and typical air-conditioning services (pair-coil pipes and cables) in single and double layer plasterboard, concrete/masonry and hebel walls as well as concrete floors, for up to two hours of fire protection.

### FEATURES:

- Quick and easy to apply and install
- Tested and approved in accordance with AS1530.4 and AS4072.1
- Non-toxic
- Tested and compliant in some of the thinnest single layer plasterboard walls on the market
- Approved for use in both walls and floors

### SPECIFICATION:

Service penetrations are to be fire stopped to maintain the required FRL of the wall or floor element by treatment with FYREPEX™ Intumescent Sealant in accordance with Trafalgar's instructions.

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# Technical Specifications

## PRODUCT DESCRIPTION

**Fire Rating** Service and barrier dependent (refer to tables below)

**Colour** Black/Dark Grey

**Testing** Tested to AS1530.4 and AS4072.1 in accordance with the National Construction Code (NCC).

**Installation** FYREPEX™ Sealant applied to the annular gaps around service penetrations. See below for service specific requirements.

**Safety** Please refer to product MSDS for full safety information.

**Also Available** For bare metal pipe, cable penetrations or control joints, Trafalgar Fyreflex Sealant should be used. Contact Trafalgar for more information.



Mixed services treated with FYREPEX™ Sealant in a Hebel wall



PEX pipe treated with FYREPEX™ Sealant in a Plasterboard Wall

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!**

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# Order & Install Specifications

## FYREPEX™ Graphite HP Intumescent Sealant

Product	Product Code	Size	Description	Box Qty
FYREPEX Cartridges	FYREPEX HP	310mL tube	Black/Dark	25
	310		Grey	
FYREPEX Sausages	FYREPEX HP	600mL sausage	Black/Dark	12
FYREPEX Shell <small>(For use in single layer plasterboard wall systems)</small>	FYREPEX Shell	50mm diameter to suit 16mm pipe	Orange metal	N/A
	50		sheath	
FYREPEX Shell <small>(For use in single layer plasterboard wall systems)</small>	FYREPEX Shell	65mm diameter to suit 20mm pipe	Orange metal	N/A
	65		sheath	

### INSTALLATION:

Install FYREPEX™ in accordance to installation details provided in the tables below for the relevant service and wall/floor construction.

1. Surfaces to be sealed must be clean, dry and free from dust, dirt, grease and other contamination.
2. Cut both the cartridge tip and applicator nozzle to the required diameter and angle, screw nozzle onto cartridge.
3. To achieve a clean finish, apply masking tape either side of the penetration to prevent sealant exuding onto unwanted areas.
4. Apply sealant with applicator gun ensuring good surface contact is achieved by forcing sealant into the opening to be sealed. Ensure that the correct depth of sealant is applied as required for the specific installation - refer to tables below (PE backing rod can be used to achieve the correct depth if required).
5. If necessary, tool within 5 minutes of application using a spatula dipped in soapy water, applying sufficient pressure to ensure good contact of the sealant against the joint surfaces.
6. Remove masking tape. After use wash any tools in warm water and wash hands after use.



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](http://www.youtube.com) and search for **Trafalgar TV**. Subscribe and you will be notified when new videos are uploaded.

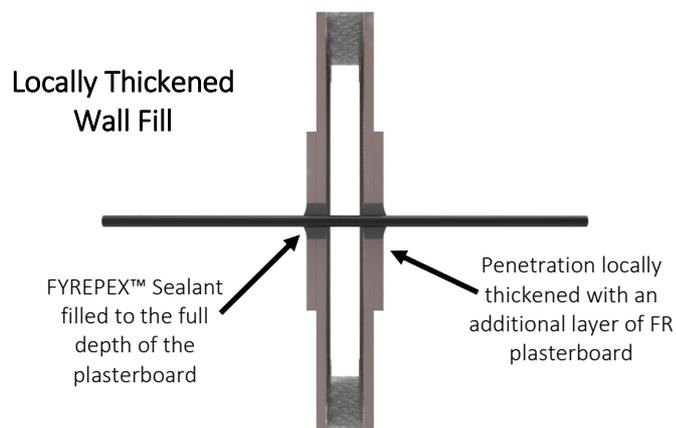
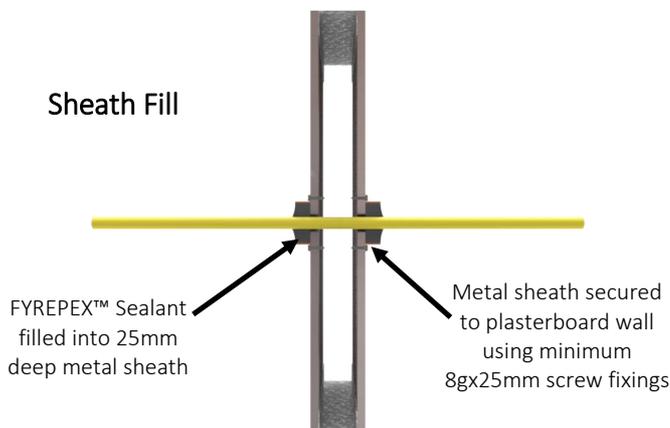
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# Technical Specifications

## APPROVED FIRE SERVICES:

60 Minute Plasterboard walls (Minimum <b>single layer</b> 13mm plasterboard either side of a 64mm stud)					
Service	Installation	Wall Opening	Fill depth	FRL	Install notes
16mm PEX-B	50mm diam. <b>Sheath Fill</b> (each side of wall)	25mm diam.	Depth of sheath (25mm)	-/60/60	FYREPEX™ Sealant to be filled into a 50mm diameter metal sheath from each side of the wall
	Locally Thickened <b>Wall Fill</b> (each side of wall)	40mm diam.	Depth of plaster (26mm)		Penetration to be locally thickened with an additional layer of FR plasterboard on each side of the wall
20mm PEX-B	65mm diam. <b>Sheath Fill</b> (each side of wall)	30mm diam.	Depth of sheath (25mm)	-/60/60	FYREPEX™ Sealant to be filled into a 65mm diameter metal sheath from each side of the wall
	Locally Thickened <b>Wall Fill</b> (each side of wall)	60mm diam.	Depth of plaster (26mm)		Penetration to be locally thickened with an additional layer of FR plasterboard on each side of the wall
25mm PEX-B	Locally Thickened <b>Wall Fill</b> (each side of wall)	75mm diam.	Depth of plaster (26mm)	-/60/60	Penetration to be locally thickened with an additional layer of FR plasterboard on each side of the wall
16mm PEX-AL-PEX	50mm diam. <b>Sheath Fill</b> (each side of wall)	25mm diam.	Depth of sheath (25mm)	-/60/60	FYREPEX™ Sealant to be filled into a 50mm diameter metal sheath from each side of the wall
	Locally Thickened <b>Wall Fill</b> (each side of wall)	40mm diam.	Depth of plaster (26mm)		Penetration to be locally thickened with an additional layer of FR plasterboard on each side of the wall
20mm PEX-AL-PEX	65mm diam. <b>Sheath Fill</b> (each side of wall)	30mm diam.	Depth of sheath (25mm)	-/60/60	FYREPEX™ sealant to be filled into a 65mm diameter metal sheath from each side of the wall
	Locally Thickened <b>Wall Fill</b> (each side of wall)	60mm diam.	Depth of plaster (26mm)		Penetration to be locally thickened with an additional layer of FR plasterboard on each side of the wall
Air Conditioning Bundle FR (Single)	Locally Thickened <b>Wall Fill</b> (each side of wall)	110mm diam.	Depth of plaster (26mm)	-/60/60	A/C bundle to consist of one pair of insulated copper pipes (pair coil) with FR insulation up to 20mm thick with or without: one power cable up to 12mm OD, one data cable up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD.



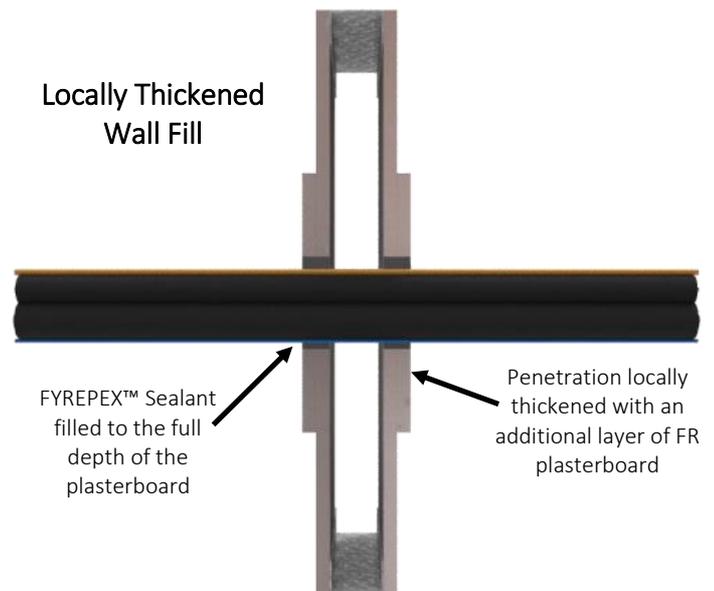
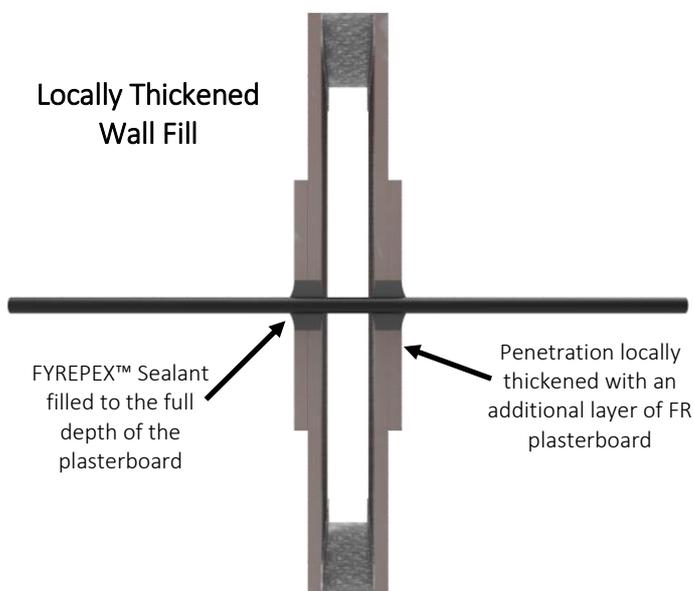
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# Technical Specifications

## APPROVED FIRE SERVICES:

90 Minute Plasterboard walls					
(Minimum <b>single layer</b> plasterboard, with an additional second layer fixed around the penetration, either side of a 64mm stud)					
Service	Installation	Wall Opening	Fill depth	FRL	Install notes
16mm PEX-B	Locally Thickened Wall Fill (each side of wall)	40mm diam.	Depth of plaster (26mm)	-/90/90	Penetration to be locally thickened with an additional layer of FR plasterboard on each side of the wall. FYREPEX™ Sealant then applied to the full depth of the plasterboard
20mm PEX-B	Locally Thickened Wall Fill (each side of wall)	60mm diam.	Depth of plaster (26mm)	-/90/90	Penetration to be locally thickened with an additional layer of FR plasterboard on each side of the wall. FYREPEX™ Sealant then applied to the full depth of the plasterboard
25mm PEX-B	Locally Thickened Wall Fill (each side of wall)	75mm diam.	Depth of plaster (26mm)	-/90/90	Penetration to be locally thickened with an additional layer of FR plasterboard on each side of the wall. FYREPEX™ Sealant then applied to the full depth of the plasterboard
16mm PEX-AL-PEX	Locally Thickened Wall Fill (each side of wall)	40mm diam.	Depth of plaster (26mm)	-/90/90	Penetration to be locally thickened with an additional layer of FR plasterboard on each side of the wall. FYREPEX™ Sealant then applied to the full depth of the plasterboard
20mm PEX-AL-PEX	Locally Thickened Wall Fill (each side of wall)	60mm diam.	Depth of plaster (26mm)	-/90/90	Penetration to be locally thickened with an additional layer of FR plasterboard on each side of the wall. FYREPEX™ Sealant then applied to the full depth of the plasterboard
Air Conditioning Bundle FR (Single)	Locally Thickened Wall Fill (each side of wall)	110mm diam.	Depth of plaster (26mm)	-/90/90	A/C bundle to consist of one pair of insulated copper pipes (pair coil) with FR insulation up to 20mm thick with or without: one power cable up to 12mm OD, one data cable up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD.



# FYREPEX™ HP

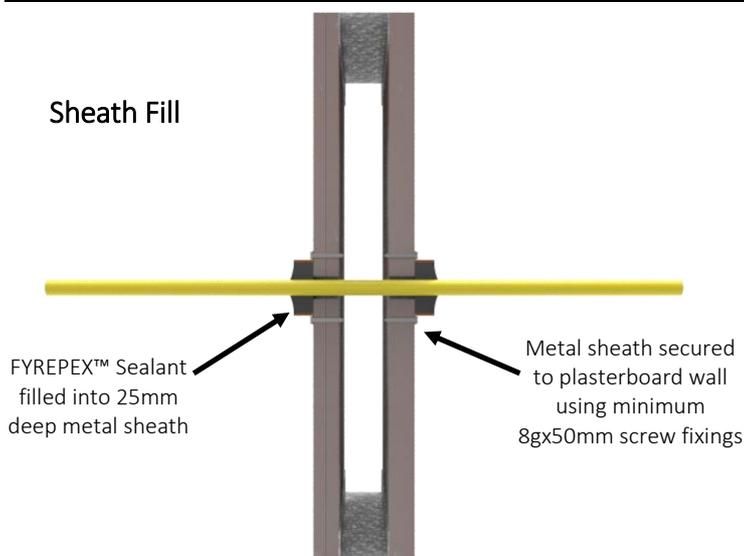
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# Technical Specifications

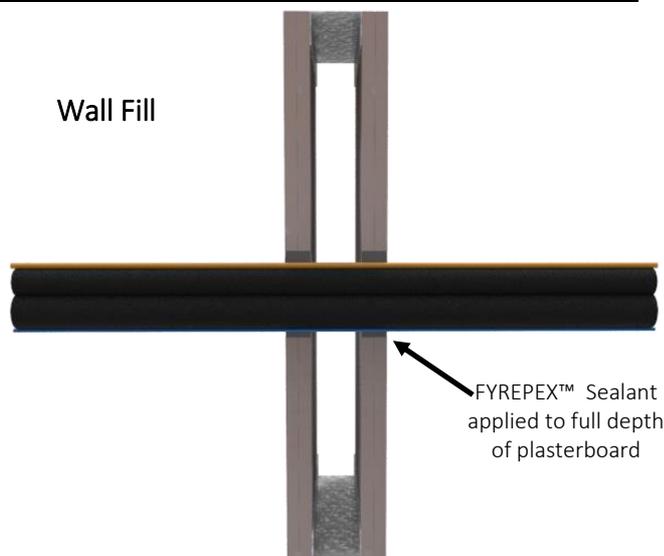
## APPROVED FIRE SERVICES:

120 Minute Plasterboard walls (Minimum double layer 13mm plasterboard either side of a 64mm stud)					
Service	Installation	Wall Opening	Fill depth	FRL	Install notes
16mm PEX-B	50mm diam. <b>Sheath Fill</b> (each side of wall)	25mm diam.	Depth of sheath (25mm)	-/120/120	FYREPEX™ Sealant to be filled into a 50mm diameter metal sheath from each side of the wall
	<b>Wall Fill</b> (each side of wall)	40mm diam.	Depth of plaster (26mm)		FYREPEX™ Sealant applied to the full depth of the plasterboard
20mm PEX-B	65mm diam. <b>Sheath Fill</b> (each side of wall)	30mm diam.	Depth of sheath (25mm)	-/120/120	FYREPEX™ Sealant to be filled into a 65mm diameter metal sheath from each side of the wall
	<b>Wall Fill</b> (each side of wall)	60mm diam.	Depth of plaster (26mm)		FYREPEX™ Sealant applied to the full depth of the plasterboard
25mm PEX-B	<b>Wall Fill</b> (each side of wall)	75mm diam.	Depth of plaster (26mm)	-/120/120	FYREPEX™ Sealant applied to the full depth of the plasterboard
16mm PEX-AL-PEX	50mm diam. <b>Sheath Fill</b> (each side of wall)	25mm diam.	Depth of sheath (25mm)	-/120/120	FYREPEX™ sealant to be filled into a 50mm diameter metal sheath from each side of the wall
	<b>Wall Fill</b> (each side of wall)	40mm diam.	Depth of plaster (26mm)		FYREPEX™ Sealant applied to the full depth of the plasterboard
20mm PEX-AL-PEX	65mm diam. <b>Sheath Fill</b> (each side of wall)	30mm diam.	Depth of sheath (25mm)	-/120/120	FYREPEX™ Sealant to be filled into a 65mm diameter metal sheath from each side of the wall
	<b>Wall Fill</b> (each side of wall)	60mm diam.	Depth of plaster (26mm)		FYREPEX™ Sealant applied to the full depth of the plasterboard
Air Conditioning Bundle FR (Single)	<b>Wall Fill</b> (each side of wall)	110mm diam.	Depth of plaster (26mm)	-/120/120	A/C bundle to consist of one pair of insulated copper pipes (pair coil) with FR insulation up to 20mm thick with or without: one power cable up to 12mm OD, one data cable up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD.

Sheath Fill



Wall Fill



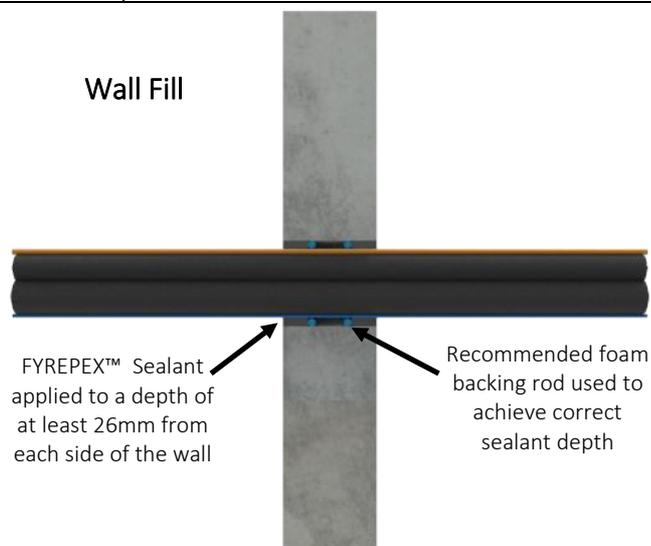
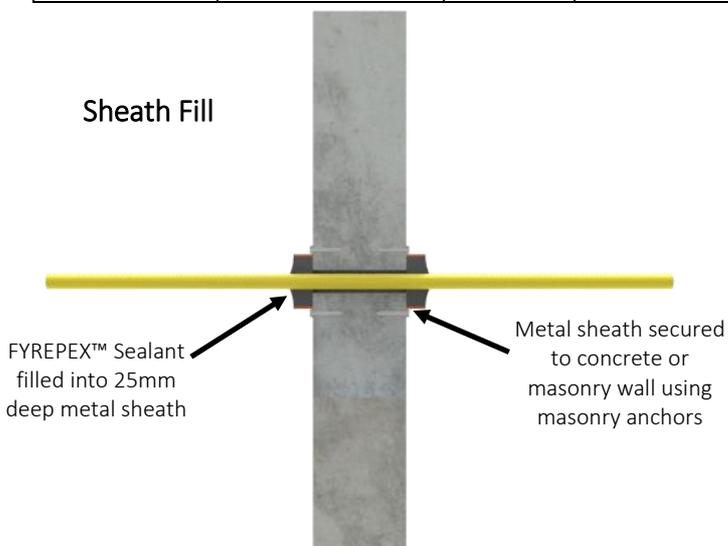
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## APPROVED FIRE SERVICES:

Concrete/Masonry walls (Minimum 116mm thick)					
Service	Installation	Wall Opening	Fill depth	FRL	Install notes
16mm PEX-B	50mm diam. <b>Sheath Fill</b> (each side of wall)	25mm diam.	Depth of sheath (25mm)	-/60/60	FYREPEX™ Sealant filled into a 50mm diameter metal sheath from each side of the wall
	<b>Wall Fill</b> (each side of wall)	40mm diam.	26mm	-/120/120	FYREPEX™ Sealant filled to a depth of at least 26mm from each side of the wall
20mm PEX-B	65mm diam. <b>Sheath Fill</b> (each side of wall)	30mm diam.	Depth of sheath (25mm)	-/60/60	FYREPEX™ Sealant filled into a 65mm diameter metal sheath from each side of the wall
	<b>Wall Fill</b> (each side of wall)	60mm diam.	26mm	-/120/120	FYREPEX™ Sealant filled to a depth of at least 26mm from each side of the wall
25mm PEX-B	<b>Wall Fill</b> (each side of wall)	75mm diam.	26mm	-/120/120	FYREPEX™ Sealant filled to a depth of at least 26mm from each side of the wall
16mm PEX-AL-PEX	50mm diam. <b>Sheath Fill</b> (each side of wall)	25mm diam.	Depth of sheath (25mm)	-/60/60	FYREPEX™ Sealant filled into a 50mm diameter metal sheath from each side of the wall
	<b>Wall Fill</b> (each side of wall)	40mm diam.	26mm	-/120/120	FYREPEX™ Sealant filled to a depth of at least 26mm from each side of the wall
20mm PEX-AL-PEX	65mm diam. <b>Sheath Fill</b> (each side of wall)	30mm diam.	Depth of sheath (25mm)	-/60/60	FYREPEX™ sealant filled into a 65mm diameter metal sheath from each side of the wall
	<b>Wall Fill</b> (each side of wall)	60mm diam.	26mm	-/120/120	FYREPEX™ Sealant filled to a depth of at least 26mm from each side of the wall
Air Conditioning Bundle FR (Single)	<b>Wall Fill</b> (each side of wall)	110mm diam.	26mm	-/120/120	A/C bundle to consist of one pair of insulated copper pipes (pair coil) with FR insulation up to 20mm thick with or without: one power cable up to 12mm OD, one data cable up to 6mm OD and one flexible/rigid PVC drain up to 20mm OD.



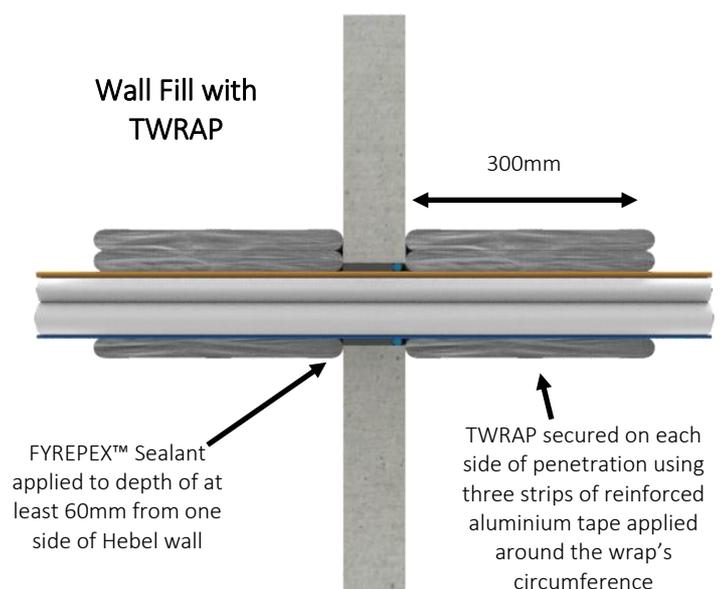
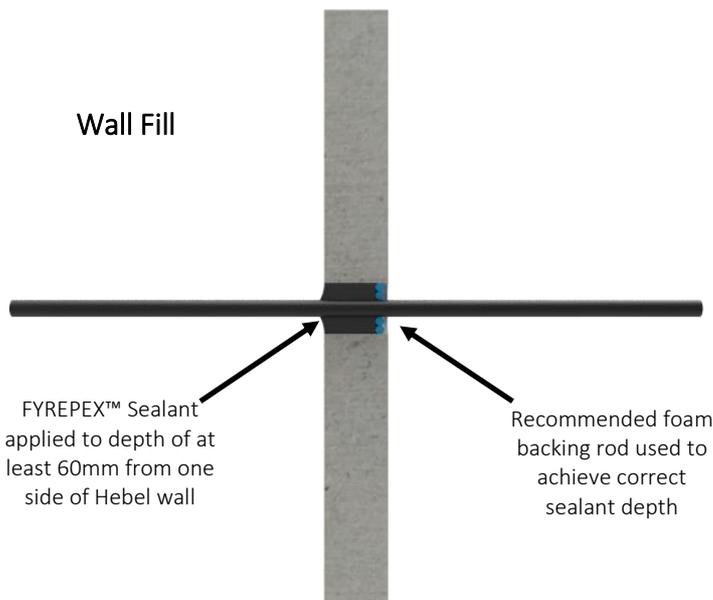
# FYREPEX™ HP

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# Technical Specifications

## APPROVED FIRE SERVICES:

Hebel Walls (Minimum 75mm thick Hebel )					
Service	Installation	Wall Opening	Fill depth	FRL	Install notes
25mm PEX-A	Wall Fill (from one side only)	60mm diam.	60mm	-/90/90	FYREPEX™ Sealant installed into Hebel opening to a depth of at least 60mm from one side only
16mm PEX-B	Wall Fill (from one side only)	40mm diam.	60mm	-/90/90	FYREPEX™ Sealant installed into Hebel opening to a depth of at least 60mm from one side only
16mm PEX-AL-PEX	Wall Fill (from one side only)	40mm diam.	60mm	-/90/90	FYREPEX™ Sealant installed into Hebel opening to a depth of at least 60mm from one side only
20mm PEX-AL-PEX	Wall Fill (from one side only)	60mm diam.	60mm	-/90/90	FYREPEX™ Sealant installed into Hebel opening to a depth of at least 60mm from one side only
Air Conditioning Bundle FR (Single)	Wall Fill (from one side only)	100mm diam.	60mm	-/90/90	A/C bundle to consist of one pair of insulated copper pipes (pair coil) with FR insulation up to 20mm thick with or without: one power cable up to 12mm OD, one data cable up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD
Air Conditioning Bundle FR (Double)	Wall Fill (from one side only)	120mm diam.	60mm	-/90/90	A/C bundle to consist of two pairs of insulated copper pipes (pair coil) with FR insulation up to 20mm thick with or without: two power cables up to 12mm OD, two data cables up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD
Air Conditioning Bundle PE (Single)	Wall Fill with TWRAP (Sealant from one side only with TWRAP on each side)	100mm diam.	60mm	-/90/90	A/C bundle to consist of one pair of insulated copper pipes (pair coil) with PE non-FR insulation with or without: one power cable up to 12mm OD, one data cable up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD



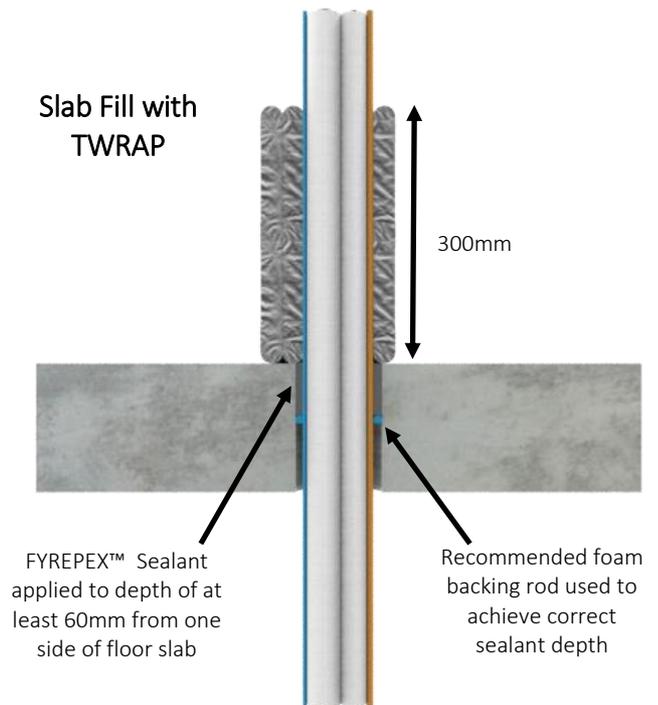
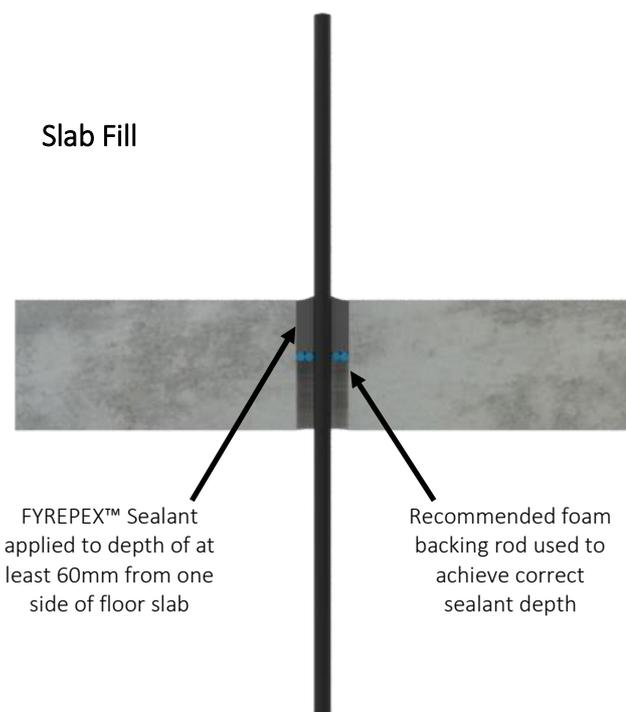
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# Technical Specifications

## APPROVED FIRE SERVICES:

Floor Slabs					
(Minimum 120mm thick concrete slab )					
Service	Installation	Slab Opening	Fill depth	FRL	Install notes
16mm PEX-B	Slab Fill (from one side only)	40mm diam.	60mm	-/120/120	FYREPEX™ Sealant installed into Slab opening to a depth of at least 60mm from one side only
16mm PEX-AL-PEX	Slab Fill (from one side only)	40mm diam.	60mm	-/120/120	FYREPEX™ Sealant installed into Slab opening to a depth of at least 60mm from one side only
Air Conditioning Bundle FR (Single)	Slab Fill (from one side only)	100mm diam.	60mm	-/120/120	A/C bundle to consist of one pair of insulated copper pipes (pair coil) with FR insulation up to 20mm thick with or without: one power cable up to 12mm OD, one data cable up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD
Air Conditioning Bundle FR (Double)	Slab Fill (from one side only)	120mm diam.	60mm	-/120/120	A/C bundle to consist of two pairs of insulated copper pipes (pair coil) with FR insulation up to 20mm thick with or without: two power cables up to 12mm OD, two data cables up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD
Air Conditioning Bundle PE (Single)	Slab Fill with TWRAP (Sealant from one side only with TWRAP on top side)	100mm diam.	60mm	-/120/120	A/C bundle to consist of one pair of insulated copper pipes (pair coil) with PE non-FR insulation with or without: one power cable up to 12mm OD, one data cable up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD



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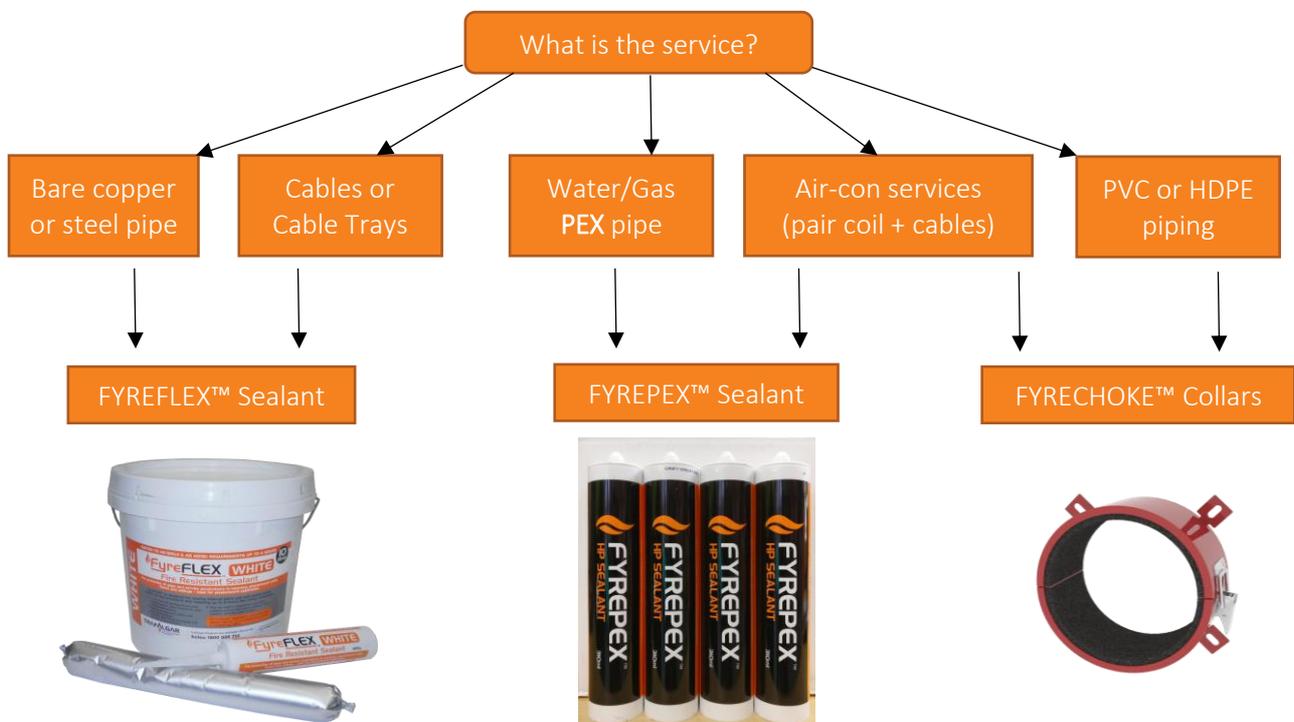
FYREFLEX OR FYREPEX?

# Technical Specifications

Trafalgar **FYREPEX™** Sealant is a new **intumescent based sealant** that expands with the heat of a fire, which enables it to be used with plastic (PEX), or insulated copper piping. As the sealant expands, it actively crushes the pipe to block off the penetration for up to 2 hours during a fire.

Trafalgar **FYREFLEX™** Sealant is an acrylic based sealant that has been around for decades and is a tried and true method of fire stopping bare metal pipes and cables, through a variety of different wall and floor types - nothing has changed with this product.

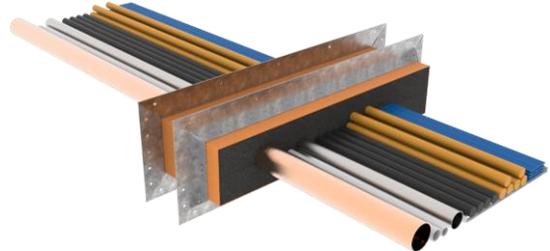
Choosing the right product for your application will largely depend on the penetrating services. As a general guide, use the following flowchart:



For specific product approvals and installation instructions for these and other products, download the technical manuals from [www.tfire.com.au](http://www.tfire.com.au) or get in contact with our technical team on 1800 888 714.

## MULTIPLE SERVICES?

The building code requires certain separation distances between service penetrations (up to 200mm) so when there is not enough room to achieve this with the above products, **Trafalgar FYREBOX™** is the best, compliant solution! Visit [www.fyrebox.com.au](http://www.fyrebox.com.au) for more details.



Trafalgar reserves the right to change specifications without notice. Please check with your supplier at the time of order. The information contained in this brochure was correct at the time of print. E&OE. Published 01.05.18