

# FyrePEX<sup>TM</sup> HP



FyrePEX<sup>TM</sup> High-Performance Sealant is a graphite water-based intumescent mastic sealant that is used for fire stopping of service penetrations through fire-rated walls and floors to prevent the spread of fire for up to 2 hours.

Click to Watch Installation Video



## KEY FEATURES



- Specifically designed for water and gas PEX pipe penetrations
- Also suitable for HVAC&R services
- Quick and easy to apply and install
- FyreSHEATH option helps reduce wastage
- Tested for SpeedPanel, Hebel and plasterboard walls
- Non-toxic & Green star rated for low VOC
- Water based for easy clean up
- Tested and approved in accordance with AS1530.4-2014 and AS4072.1

## APPLICATIONS



### Plumbers

PEX pipes  
PEX-AL-PEX pipes  
Insulated Steel  
Copper

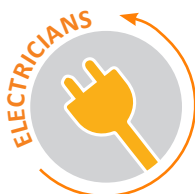
### HVAC&R

Pair coil  
(single or in clusters of 3)

### Electricians

Power  
Data cables  
Conduits

## TRADES



# FyreSHEATH



FyreSHEATH is a system designed to simplify the use of FyrePEX™ High-Performance Sealant, ensuring a compliant amount of sealant everytime to achieve the FRL required up to a -/120/120, while minimising sealant waste from overflowing into the wall cavity and saving you money.

Click to Watch Installation Video



## KEY FEATURES



- No need for plasterboard patching
- Hole size is no longer critical
- Sets the annular gaps and fill depths automatically
- Easy compliance checks for certification
- Improved quality control
- Suitable for single and double layer plaster walls
- Tested to AS1530.4-2014 and compliant with AS4072.1

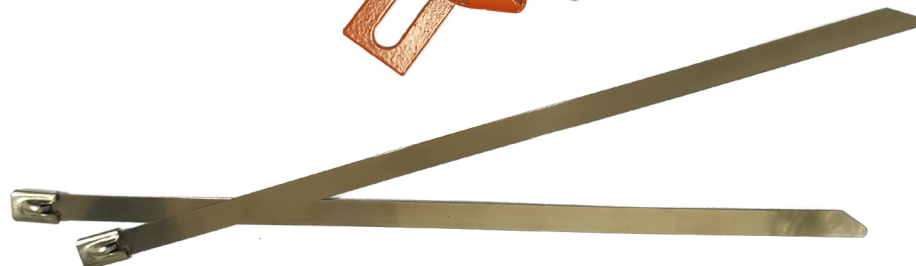
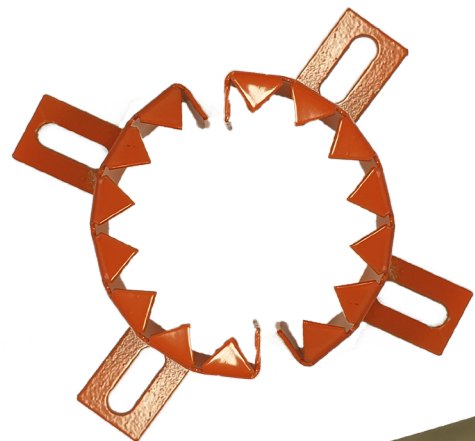
## APPLICATIONS



**Plumbers**

PEX- A  
PEX- B  
PEX-AL-PEX pipes

## TRADES



# TABLE OF CONTENTS



	Page	
Fire Resistance Level	4	
FRL Tables	Plasterboard 60min	5
	Plasterboard 90min	6
	Plasterboard 120min	7
	Concrete / Mansory	8
	Hebel®	9
	Speedpanel®	10
	Prontopanel®	11
	Floor Slabs   FyreBOARD Maxilite™ Panel	12
Installation	Walls- Sealant Only	13
	Walls - FyreSHEATH	14
	Wall Specific - Single Layer Plasterboard	15
	Wall Specific - Double Layer Plasterboard	16
	Wall Specific - Concrete / Mansory	17
	Hebel® and Other AAC Walls	18
	Prontopanel	19
	TWRAP™	20
System Range	21	
FAQs	22	

# FyrePEX<sup>TM</sup> HP

## Fire Rating – How is fire performance measured?

An FRL (fire resistance level) is a handy way of summarising the performance of a building element. It consists of 3 numbers, all given in minutes:

### FRL 120/120/120

(example)



#### Structural Adequacy

The ability of the building element to support the weight of adjacent building elements.

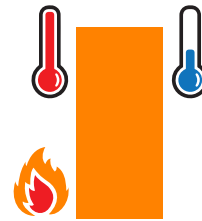
ie: a brick wall supporting a concrete floor slab above.



#### Integrity

The ability of an element to prevent the passage of flames and hot gasses.

ie: a plasterboard wall remaining intact and not allowing holes to form.



#### Insulation

The ability of an element to resist heat transfer from the exposed face to the unexposed face.

ie: a bundle of cables remaining below a set temperature limit on the unexposed side of the wall penetration system.

**Note: Penetrations are not required to have a Structural Adequacy rating and is usually expressed as a dash. For example, a penetration through a 2 hour load bearing wall would be written as -/120/120.**

## Integrity

The FyrePEX<sup>TM</sup> HP Sealant system will achieve the integrity performance for up to 2 hours physically stopping the direct spread of fire, however the insulation performance of the penetration will be limited to the type of wall being used and conductivity of the services in the penetration.

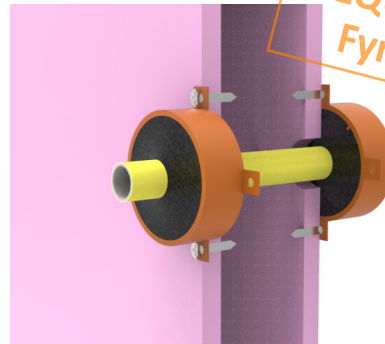
## Insulation (Temperature Rise)

Heat transfer via conduction (or heat rise) will occur through the conductive parts of any penetration system. To limit the heat rise through some of the FyrePEX<sup>TM</sup> HP Sealant penetration systems, our 25mm thick TWrap foil encased blanket can be wrapped around the services to achieve up to 2 hours of insulation performance. There are some applications that won't require any TWrap to achieve the full FRL, please refer to the tables below for specific details.

## FRL Approvals Tables

### PLASTERBOARD 60MIN

Single-Layer plasterboard walls  
min 13mm FR plasterboard each side  
64mm Stud systems



Service Specification		Installation Method	Hole Size	Fill Depth	FRL
PEX-A PEX-B PEX-AI-PEX	16mm	Locally Thickened Wall Fill (each side of wall)	60mm	Depth of plaster (26mm)	-/60/60
		50mm diam. Sheath Fill (each side of wall)	25mm	Depth of sheath (25mm)	
PEX-A PEX-B PEX-AI-PEX	20mm	Locally Thickened Wall Fill (each side of wall)	60mm	Depth of plaster (26mm)	-/60/60
		65mm diam. Sheath Fill (each side of wall)	25mm	Depth of sheath (25mm)	
PEX-A PEX-B	25mm	Locally Thickened Wall Fill (each side of wall)	65mm	Depth of plaster (26mm)	-/60/60
PEX- AI-PEX	25mm	Locally Thickened Wall Fill (each side of wall)	65mm	Depth of plaster (26mm) Sealant finished with 25mm fillet	-/60/60
PVC Conduit*	up to 40mm	Locally Thickened Wall Fill (each side of wall)	20mm annular gap	Depth of plaster (26mm)	-/60/60
Insulated Copper or Steel	up to 32mm pipe with 25mm FR insulation	Locally Thickened Wall Fill (each side of wall with 30x30mm fillet)	110mm	Depth of plaster (26mm) Sealant finished with 30mm fillet	-/60/60
1x Air Conditioning pair coil** FR or PE insulated		Wall Fill (each side of wall with 30x30mm fillet)	110mm	Depth of plaster (13mm)	-/60/60
Up to 3x Air Conditioning bundles** side by side		Locally Thickened Wall Fill (each side of wall)	110mm , each 50mm apart	Depth of plaster (26mm)	-/60/60

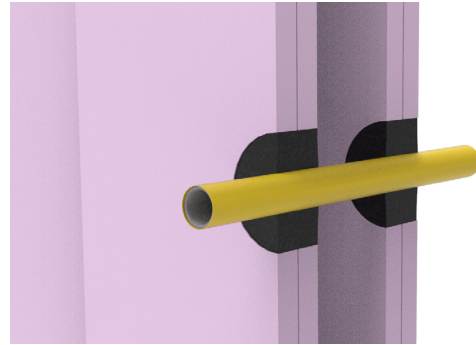
\* Conduit may be empty or contain combinations of power cables up to 20 mm OD, 6 mm OD fibre optic cables (NBN) or 5mm OD CAT5 or CAT6 data cables.

\*\* Each A/C pair coil to consist of two insulated copper pipes (pair coil) with insulation up to 20mm thick with or without: power cables up to 12mm OD, data cables up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD.

## FRL Approvals Tables

### PLASTERBOARD 90MIN

Single-Layer plasterboard walls  
with additional second layer  
fixed around the penetration  
64mm Stud systems



Service Specification		Installation Method	Hole Size	Fill Depth	FRL
PEX-A PEX-B PEX-AI-PEX	16mm	Locally Thickened Wall Fill (each side of wall)	60mm	Depth of plaster (26mm)	-/90/90
		50mm diam. Sheath Fill (each side of wall)	25mm	Depth of sheath (25mm)	
PEX-A PEX-B PEX-AI-PEX	20mm	Locally Thickened Wall Fill (each side of wall)	60mm	Depth of plaster (26mm)	-/90/90
		65mm diam. Sheath Fill (each side of wall)	30mm	Depth of sheath (25mm)	
PEX-A PEX-B	25mm	Locally Thickened Wall Fill (each side of wall)	65mm	Depth of plaster (26mm)	-/90/90
PEX- AI-PEX	25mm	Locally Thickened Wall Fill (each side of wall)	65mm	Depth of plaster (26mm) Sealant finished with 25mm fillet	-/90/90
PVC Conduit*	up to 40mm	Locally Thickened Wall Fill (each side of wall)	20mm annular gap	Depth of plaster (26mm)	-/90/90
Insulated Copper or Steel	up to 32mm pipe with 25mm FR insulation	Locally Thickened Wall Fill (each side of wall with 30x30mm fillet)	110mm	Depth of plaster (26mm) Sealant finished with 50mm fillet	-/90/60
		Locally Thickened Wall Fill with TWRAP (Sealant and TWRAP on each side)	110mm	Depth of plaster (26mm) Sealant finished with 30mm fillet	-/90/90
1x Air Conditioning pair coil** FR or PE insulated		Wall Fill (each side of wall with 30x30mm fillet)	110mm	Depth of plaster (26mm)	-/90/90
Up to 3x Air Conditioning bundles*** side by side		Locally Thickened Wall Fill (each side of wall)	110mm , each 50mm apart	Depth of plaster (26mm)	-/90/90

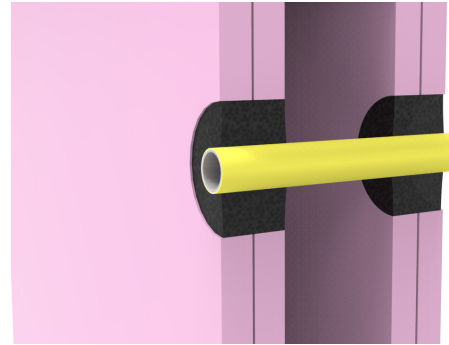
\* Conduit may be empty or contain combinations of power cables up to 20 mm OD, 6 mm OD fibre optic cables (NBN) or 5mm OD CAT5 or CAT6 data cables.

\*\* Each A/C pair coil to consist of two insulated copper pipes (pair coil) with insulation up to 20mm thick with or without: power cables up to 12mm OD, data cables up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD.

# FRL Approvals Tables

## PLASTERBOARD 120MIN

Double-Layer plasterboard walls  
min 13mm FR plasterboard each side  
**64mm Stud systems**



FRL TABLES

Service Specification		Installation Method	Hole Size	Fill Depth	FRL
PEX-A PEX-B PEX-AI-PEX	16mm	Wall Fill (each side of wall)	60mm	Depth of plaster (26mm)	-/120/120
		50mm diam. Sheath Fill (each side of wall)	25mm	Depth of sheath (25mm)	
PEX-A PEX-B PEX-AI-PEX	20mm	Wall Fill (each side of wall)	60mm	Depth of plaster (26mm)	-/120/120
		65mm diam. Sheath Fill (each side of wall)	30mm	Depth of sheath (25mm)	
PEX-A PEX-B	25mm	Wall Fill (each side of wall)	65mm	Depth of plaster (26mm)	-/120/120
PEX- AI-PEX	25mm	Wall Fill (each side of wall)	65mm	Depth of plaster (26mm) Sealant finished with 25mm fillet	-/120/120
PVC Conduit*	up to 40mm	Wall Fill (each side of wall)	20mm annular gap	Depth of plaster (26mm)	-/120/120
Insulated Copper or Steel	up to 32mm pipe with 25mm FR insulation	Wall Fill (each side of wall)	110mm	Depth of plaster (26mm) Sealant finished with 10mm fillet	-/120/60
		Wall Fill (each side of wall)	110mm	Depth of plaster (26mm) Sealant finished with 50mm fillet	-/120/120
1x Air Conditioning pair coil** FR insulated		Wall Fill (each side of wall)	110mm	Depth of plaster (26mm)	-/120/120
1x Air Conditioning pair coil** PE insulated		Wall Fill (each side of wall)	110mm	Depth of plaster (26mm)	-/120/120
		Wall Fill with TWRAP (Sealant and 300mm TWRAP each side)	110mm	Depth of plaster (26mm)	-/120/120
Up to 3x Air Conditioning bundles*** side by side		Locally Thickened Wall Fill (each side of wall)	110mm, spaced at minimum 50mm apart	Depth of plaster (26mm)	-/120/90
		Wall Fill with TWRAP (Sealant from each side with TWRAP wrapped around all services as one)			-/120/120

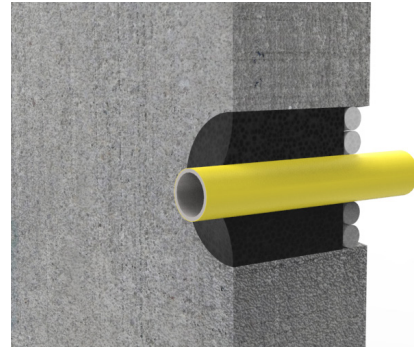
\*Conduit may be empty or contain combinations of power cables up to 20 mm OD, 6 mm OD fibre optic (NBN) or 5mm OD CAT5 or CAT6 data cables.

\*\* A/C bundle to consist of two insulated copper pipes (pair coil) with insulation up to 20mm thick with or without: power cables up to 12mm OD, data cables up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD.

# FRL Approvals Tables

## CONCRETE/MASONRY

Minimum 116mm thick  
Constructed as per  
AS3600 and AS3700



Service Specification		Installation Method	Hole Size	Fill Depth	FRL
PEX-A PEX-B PEX-AI-PEX	16mm	Wall Fill (each side of wall)	60mm	26mm Both sides of wall	-/120/120
		50mm diam. Sheath Fill (each side of wall)	25mm	Depth of sheath (25mm)	
PEX-A PEX-B PEX-AI-PEX	20mm	Wall Fill (each side of wall)	60mm	26mm Both sides of wall	-/120/120
		65mm diam. Sheath Fill (each side of wall)	30mm	Depth of sheath (25mm)	
PEX-A PEX-B	25mm	Wall Fill (each side of wall)	65mm	26mm Both sides of wall	-/120/120
PEX- AI-PEX	25mm	Wall Fill (each side of wall)	65mm	26mm Both sides of wall Sealant finished with 25mm fillet	-/120/120
PVC Conduit*	up to 40mm	Wall Fill (each side of wall)	20mm annular gap	26mm Both sides of wall	-/120/120
Insulated Copper or Steel	up to 32mm pipe with 25mm FR insulation	Wall Fill (each side of wall)	110mm	26mm Both sides of wall Sealant finished with 10mm fillet	-/120/60
		Wall Fill (each side of wall)	110mm	26mm Both sides of wall Sealant finished with 50mm fillet	-/120/120
1x Air Conditioning pair coil** FR insulated		Wall Fill (each side of wall)	110mm	26mm Both sides of wall	-/120/120
1x Air Conditioning pair coil** PE insulated		Wall Fill (each side of wall)	110mm	26mm Both sides of wall Sealant finished with 50mm fillet	-/120/90
		Wall Fill with TWRAP (Sealant and TWRAP each side)	110mm	26mm Both sides of wall	-/120/120
Up to 3x Air Conditioning bundles** side by side		Locally Thickened Wall Fill (each side of wall)	110mm, spaced at minimum 50mm apart	26mm Both sides of wall	-/120/90
		Wall Fill with TWRAP (Sealant from each side with TWRAP wrapped around all services as one)			-/120/120

\*Conduit may be empty or contain combinations of power cables up to 20 mm OD, 6 mm OD fibre optic (NBN) or 5mm OD CAT5 or CAT6 data cables.

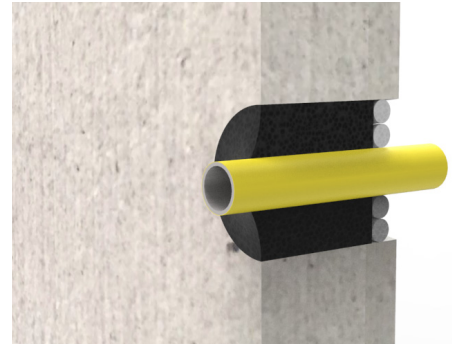
\*\* A/C bundle to consist of two insulated copper pipes (pair coil) with insulation up to 20mm thick with or without: power cables up to 12mm OD, data cables up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD.



# FRL Approvals Tables

## HEBEL

### AAC Powerpanel Wall Systems Minimum 75mm Thickness



FRL TABLES

Service Specification		Installation Method	Hole Size	Fill Depth	FRL
PEX-A, PEX-B PEX-AI-PEX	16mm	Wall Fill (one side of wall only)	40mm	60mm	-/90/90
PEX-A, PEX-B PEX-AI-PEX	20mm	Wall Fill (one side of wall only)	50-60mm	60mm	-/90/90
PEX-A PEX-B	25mm	Wall Fill (one side of wall only)	65mm	60mm	-/90/90
PEX- AI-PEX	25mm	Wall Fill (25mm both side of wall)	67mm	25mm Sealant finished with 25mm fillet	-/90/90
PVC Conduit*	up to 40mm	Wall Fill (one side of wall only)	20mm annular gap	60mm	-/90/90
Insulated Copper or Steel	up to 32mm pipe with 25mm FR insulation	Wall Fill	110mm	Full depth of panel with 10mm fillet	-/90/60
		Wall Fill with TWRAP (26mm on both side of wall, 300mm TWRAP on each side)	110mm	Full depth of pannel with 50mm fillet	-/90/90
1x Air Conditioning pair coil** FR insulated		Wall Fill (one side of wall only)	70-100mm	60mm	-/90/90
1x Air Conditioning pair coil** PE insulated		Wall fill with TWRAP (one side fill only with 300mm TWRAP on each side)	70-100mm	60mm	-/90/90
2x Air Conditioning pair coil FR insulated bundled together***		Wall Fill with TWRAP (Sealant from one side only with TWRAP on each side)	120mm	60mm	-/90/90
Up to 3x Air Conditioning pair coil* side by side	Wall Fill (one side of only)		110mm spaced at minimum 50mm apart	78mm	-/90/60
	Wall Fill with TWRAP (Sealant from one side only with TWRAP on each side)				-/90/90
1x Air Conditioning pair coil** PE insulatede	Wall Fill (one side of only)		120mm	60mm	-/90/60
	Wall Fill with TWRAP (Sealant from one side only with TWRAP on each side))		100mm	60mm	-/90/90

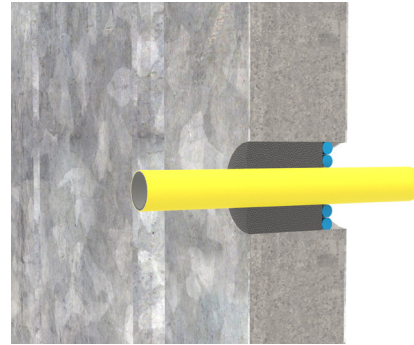
\*Conduit may be empty or contain combinations of power cables up to 20 mm OD, 6 mm OD fibre optic (NBN) or 5mm OD CAT5 or CAT6 data cables. \*\*A/C bundle to consist of two insulated copper pipes (pair coil) with insulation up to 20mm thick with or without: power cables up to 12mm OD, data cables up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD. \*\*\*A/C bundles of two pair coil must have the power cables tucked inside the insulation between services, or TWRAP should be applied.

# FRL Approvals Tables

## SPEEDPANEL

Speedpanel Walls

Minimum 78mm Thickness



FRL TABLES

Service Specification		Installation Method	Hole Size	Fill Depth	FRL
PEX-A PEX-B	16mm	Wall Fill (one side of only)	40mm	60mm	-/120/120
PEX- AI-PEX	16mm	Wall Fill (one side of only with 10x10mm fillet)	40mm	78mm	-/120/120
PEX-A PEX-B pipes	20mm	Wall Fill (one side of only with 10x10mm fillet)	50-60mm	60mm	-/120/120
PEX- AI-PEX	20mm	Wall Fill (full depth with 10x10mm fillet)	50-60mm	78mm	-/120/120
PVC Conduit*	up to 40mm	Wall Fill (one side of only)	20mm annular gap	60mm	-/120/120
Insulated Copper or Steel	up to 32mm pipe with 25mm FR insulation	Wall Fill (full depth with 10x10mm fillet)	110mm	78mm	-/120/60
		Wall Fill (full depth with 50x50mm fillet)	110mm	78mm	-/120/120
1x Air Conditioning pair coil** FR insulated		Wall Fill (one side of only)	100mm	60mm	-/120/90
1x Air Conditioning pair coil** PE insulated		Wall fill with TWRAP (one side fill only with 300mm TWRAP on each side)	70-100mm	60mm	-/120/120
Up to 3x Air Conditioning pair coil** side by side FR or PE		Wall Fill (one side of only)	110mm spaced at minimum 50mm apart	78mm	-/120/90
		Wall Fill with TWRAP (Sealant from one side only with TWRAP on each side)			-/120/120
1x Air Conditioning pair coil** PE insulated		Wall Fill (one side of only)	100mm	60mm	-/120/60
		Wall Fill with TWRAP (Sealant from one side only with TWRAP on each side)			-/120/120

\*Conduit may be empty or contain combinations of power cables up to 20 mm OD, 6 mm OD fibre optic (NBN) or 5mm OD CAT5 or CAT6 data cables.

\*\*A/C bundle to consist of two insulated copper pipes (pair coil) with insulation up to 20mm thick with or without: power cables up to 12mm OD, data cables up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD.

## FRL Approvals Tables

### PRONTO PANEL

Minimum 60mm thick panel



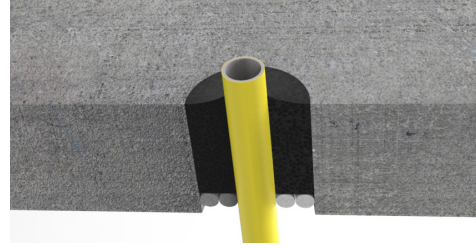
Service Specification		Installation Method	Hole Size	Fill Depth	FRL	
Firesense TPS Cables	Up to 15x1.5mm <sup>2</sup>	Panel fill (with a 25x25mm fillet)	50mm	Full depth	-/120/90	
CAT6 Cables	Up to 15x	Panel fill (with a 25x25mm fillet)	50mm		-/120/90	
TPS Cables	Up to 15x2.5mm <sup>2</sup>	Panel fill (with a 50x50mm fillet)	50mm		-/120/60	
3C +E Power Cables	Up to 8x16mm <sup>2</sup>				-/120/60	
PVC Conduit (fibre cables only)	25mm	Panel fill (with a 25x25mm fillet)	40mm		-/120/60	
1 x Air conditioning pair coil FR insulated		Panel fill (with a 25x25mm fillet)	70-100mm		-/120/60	
PEX-Al-PEX Pipe	20mm	50mm sheath fill (each side of wall)	33mm		Full depth of sheath	-/120/60
PEX-A	20mm	Panel fill (with a 25x25mm fillet)	50mm		Full depth	-120/90

\*Up to 3/8 and 3/4 size pair coil with 13mm FR insulation with 2x power cables.

## FRL Approvals Tables

### FLOOR SLABS

Minimum 120mm thick concrete slab  
As per AS 3600

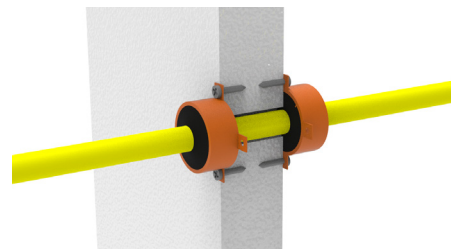


Service Specification		Installation Method	Hole Size	Fill Depth	FRL	
PVC Conduit	up to 25mm	Slab Fill (from one side only)	65mm	60mm	-/120/120	
PEX-B PEX-AI-PEX	16mm	Slab Fill (from one side only)	40mm	60mm	-/120/120	
1x Air Conditioning pair coil* FR insulated		Slab Fill (from one side only)	70-100mm	60mm	-/120/120	
1x Air Conditioning pair coil* PE insulated		Slab Fill with TWRAP (Sealant from one side only with TWRAP applied for 300mm top side only)	70-100mm	60mm	-/120/120	
2x or 3x Air Conditioning pair coil* FR insulated		Slab Fill (from one side only)	120mm	60mm	-/120/120	
Up to 3x Air Conditioning pair coil** PE insulated		Slab Fill with TWRAP (Sealant from one side only with TWRAP applied for 300mm top side only)	110mm spaced at min. 50mm apart	Full depth	-/120/120	

\*A/C bundle to consist of two insulated copper pipes (pair coil) with insulation up to 20mm thick with or without: power cables up to 12mm OD, data cables up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD.

### FyreBOARD Maxilite™ PANEL

60mm thick or two laminated boards 120mm thick



Service Specification		Installation Method	Hole Size	Fill Depth	FRL	
					Maxilite Thickness	
					60mm	120mm
PVC Conduit	up to 25mm	Panel Fill	60mm	Full depth	-/240/240	-/240/240
PEX-B	16mm	Panel Fill	50-60mm	Full depth	-/120/60	-/120/90
PEX-AI-PEX	16mm	Panel Fill	50-60mm	Full depth	-/120/60	-/120/120
1x Air Conditioning pair coil* FR insulated		Panel Fill	110mm	Full depth	-/120/60	-/120/60
		Panel Fill with 300mm of TWRAP	110mm	Full depth	-120/120	-120/120

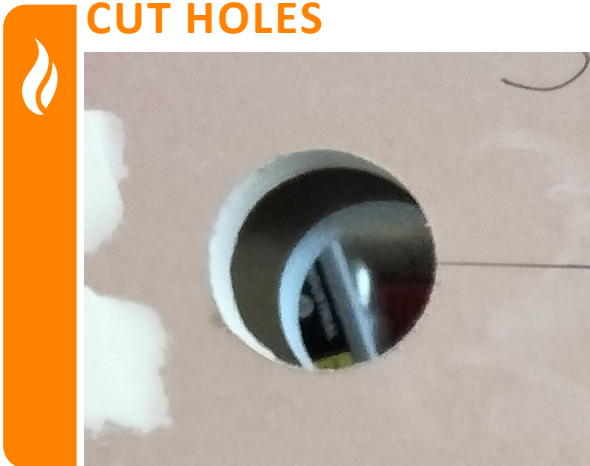
\*A/C bundle to consist of two insulated copper pipes (pair coil) with insulation up to 20mm thick with or without: power cables up to 12mm OD, data cables up to 6mm OD and one flexible or rigid PVC drain up to 20mm OD.

# INSTALLATION SEALANT ONLY

## WALLS

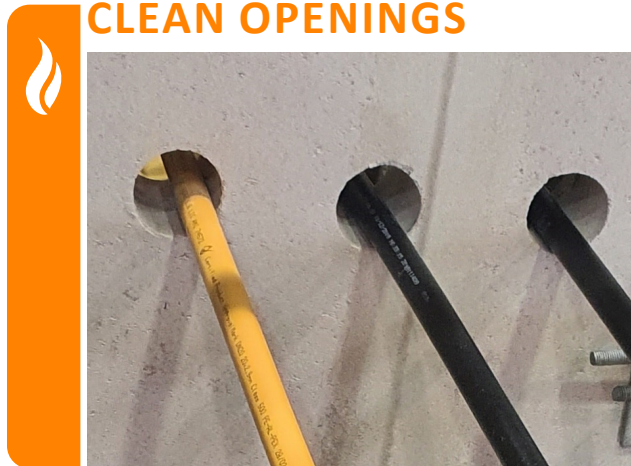
*FyrePEX™ HP Sealant can be applied directly into the thickness of a fire barrier to provide fire separation using the following installation method. Note that single layer plasterboard walls will require a second layer of plasterboard locally to the penetration.*

### CUT HOLES



Cut opening to suit the penetration size as per the tables in this product manual. Ensure that the services are run straight through the centre line of the opening and is free from movement.

### CLEAN OPENINGS



Surfaces to be sealed must be clean, dry and free from dust, dirt and grease.

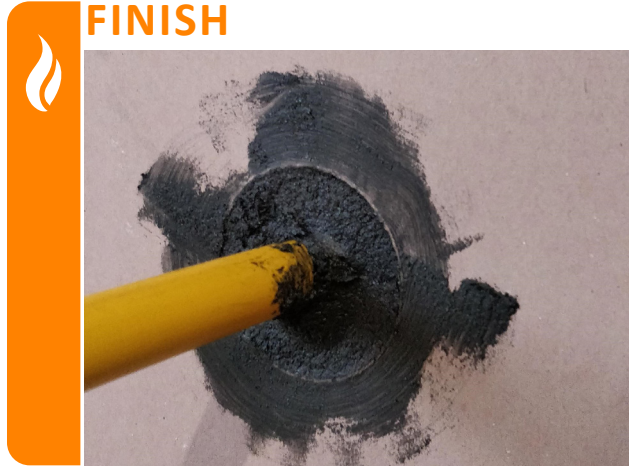
To achieve a clean finish, apply masking tape either side of the penetration to prevent sealant spreading onto unwanted areas.

### FyrePEX HP SEALANT



Apply sealant with a standard 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 on pages 12-19 (foam or other backing rods can be used to achieve the correct depth if required).

### FINISH



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. Remove masking tape. FyrePEX™ HP Sealant is easily cleaned off tools and hands with warm water.

# INSTALLATION

## FyreSHEATH

### WALLS

*FyreSHEATH system can be installed to the face of a fire wall on both sides as an alternative installation option. This reduces waste by preventing sealant overflow into the wall cavity, and controls the annular gap requirements ensuring compliance. Note that for single layer plasterboard walls, no local thickening is required.*

#### PREPARE



Cut opening to suit the penetration size as per the tables in this product manual. Ensure that the services are run straight through the centre line of the opening and is free from movement.

#### FIX



Fix the two halves of the metal FyreSHEATH around the pipe to both sides of the wall with 8g x 25mm plasterboard screws (or M6 masonry anchors into concrete barriers) using the pre-formed fixing tabs.

#### SECURE



Install a stainless steel cable tie around the outside perimeter of the FyreSHEATH and repeat on both sides of the wall.

#### FyrePEX HP SEALANT



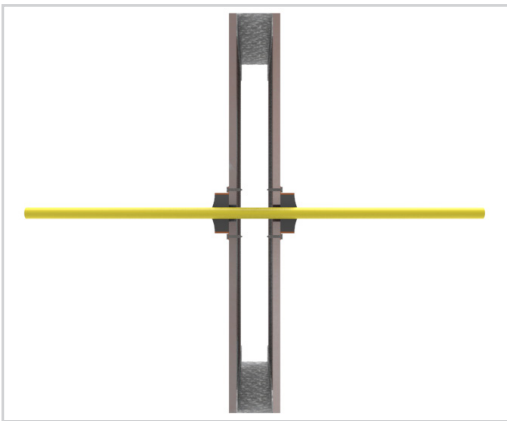
Fill the FyrePEX HP sealant into the cavity formed with the FyreSHEATH to the full depth, finishing flush with the lip of the metal FyreSHEATH.

# INSTALLATION WALL SPECIFIC

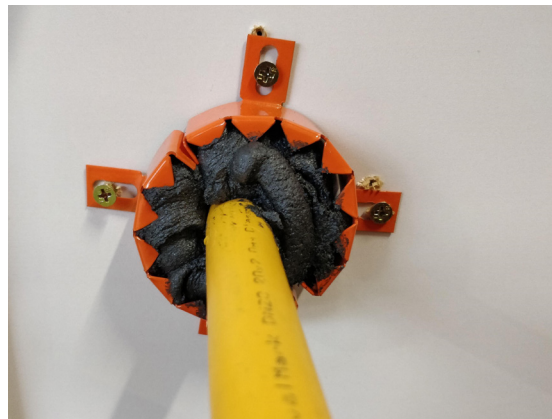
# SINGLE LAYER PLASTERBOARD

Single layer plasterboard walls should use FyreSHEATH for PEX pipes, otherwise additional thicknesses of plasterboard is required locally around the penetration.

## FyreSHEATH SYSTEM

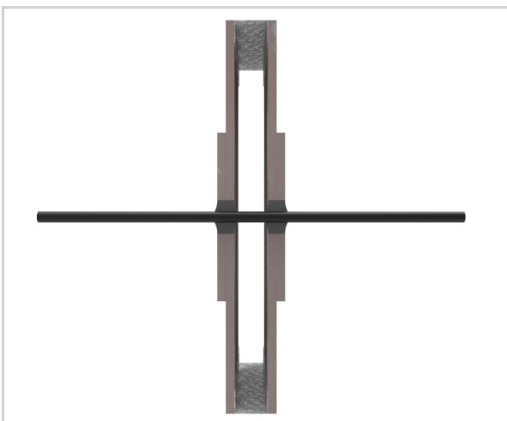


FyrePEX™ HP Sealant filled into 25mm deep metal sheath. No additional wall thickening or patching required.



Metal sheath secured to plasterboard wall using minimum 8gx25mm screw fixings. FyrePEX™ HP Sealant to be filled into a metal sheath from each side of the wall. Refer to service specific requirements on pages 12 & 13.

## WALL FILL



Penetration to be locally thickened with an additional layer of FR plasterboard on each side of the wall. FyrePEX™ HP Sealant then applied to the full depth of the plasterboard. Refer to service specific requirements on pages 12 & 13.

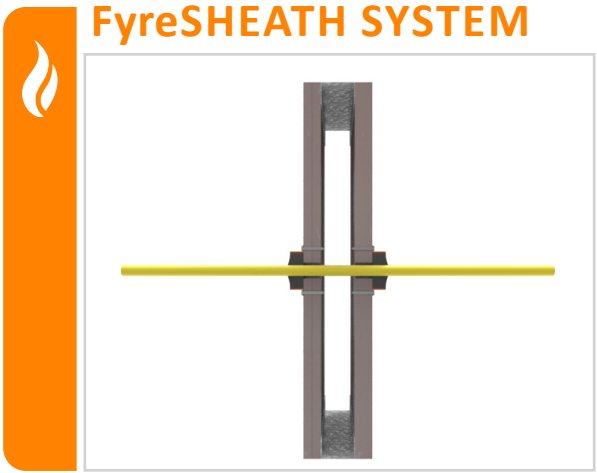


FyrePEX™ HP Sealant filled to the full depth of the plasterboard on both sides of the wall.

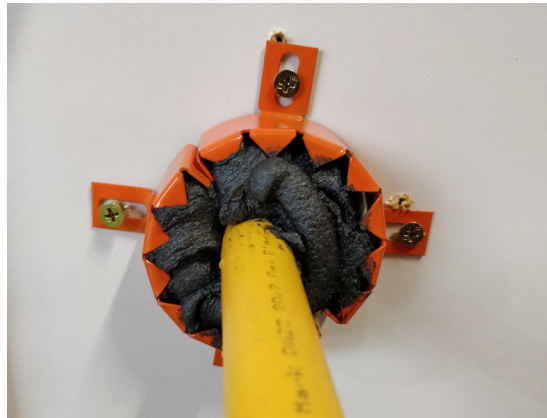
# INSTALLATION WALL SPECIFIC

## DOUBLE LAYER PLASTERBOARD

### FyreSHEATH SYSTEM

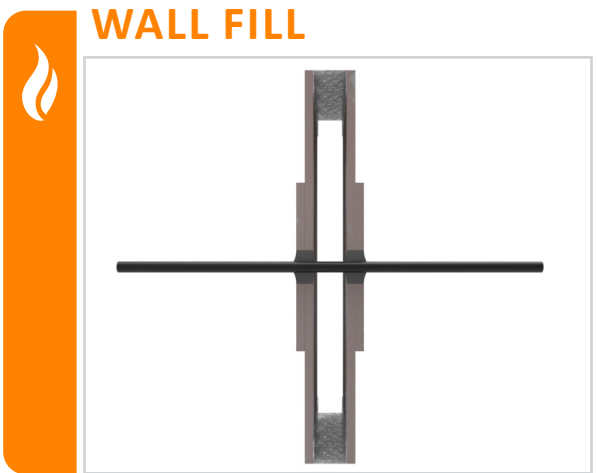


FyrePEX<sup>TM</sup> HP Sealant to be filled into a metal sheath from each side of the wall. Refer to service specific requirements on page 14.



Metal sheath secured to plasterboard wall using minimum 8x25mm screw fixings.

### WALL FILL



FyrePEX<sup>TM</sup> HP Sealant applied to the full depth of the plasterboard on each side of the wall. Refer to service specific requirements on page 14.



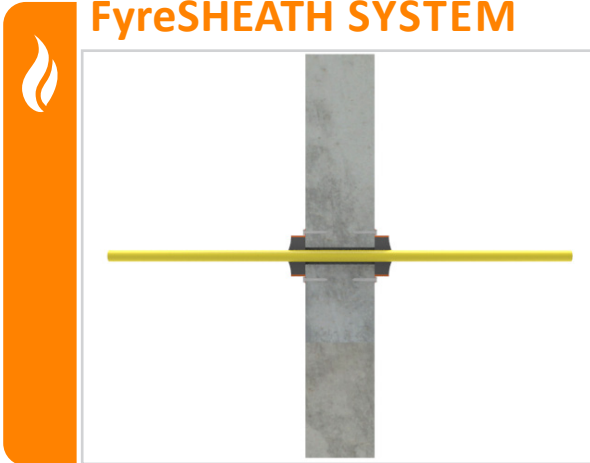
FyrePEX<sup>TM</sup> HP Sealant applied to full depth of plasterboard.



# INSTALLATION WALL SPECIFIC

# CONCRETE/MASONRY

## FyreSHEATH SYSTEM



FyrePEX™ HP Sealant to be filled into a metal sheath from each side of the wall. Refer to service specific requirements on page 15.



Metal sheath secured to concrete or masonry wall using M6 masonry anchors.

## WALL FILL



FyrePEX™ HP Sealant to be filled to depth specified. Refer to service specific requirements on page 15.

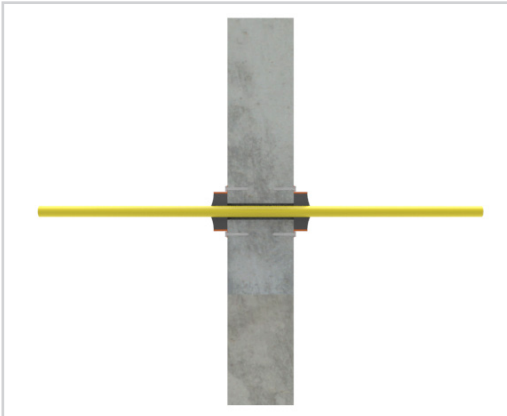


FyrePEX™ HP Sealant applied to a depth of at least 26mm from each side of the wall.

# INSTALLATION

## HEBEL AND OTHER AAC WALLS

### FyreSHEATH SYSTEM

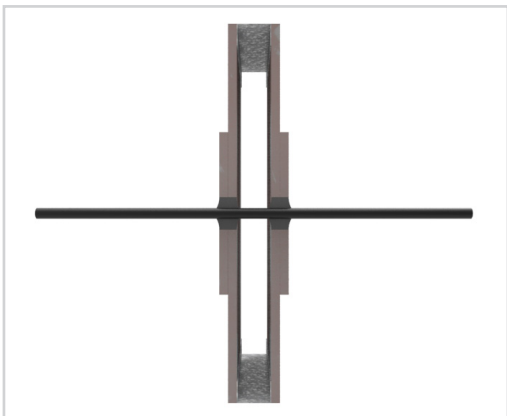


FyrePEX™ HP Sealant to be filled to depth specified. Refer to service specific requirements on pages 16 & 18.



FyreSHEATH secured to the wall using minimum 8g x 50mm screws.

### WALL FILL



FyrePEX™ HP Sealant installed into wall opening to a depth of at least 60mm from one side only. Refer to service specific requirements on pages 16 & 18.



FyrePEX™ HP Sealant applied to depth of at least 60mm from top side of the wall with fillets if required.

# INSTALLATION

## PRONTO PANEL

### WALL FILL



FyrePEX™ HP Sealant to be filled to depth specified. Refer to service specific requirements on page 18.



FyrePEX™ HP Sealant applied to depth of the wall as per approval tables on page 18.

# INSTALLATION

## CONCRETE FLOORS

### FLOOR FILL



FyrePEX™ HP Sealant installed into Slab opening to a depth of at least 60mm from one side only. Refer to service specific requirements on page 19.



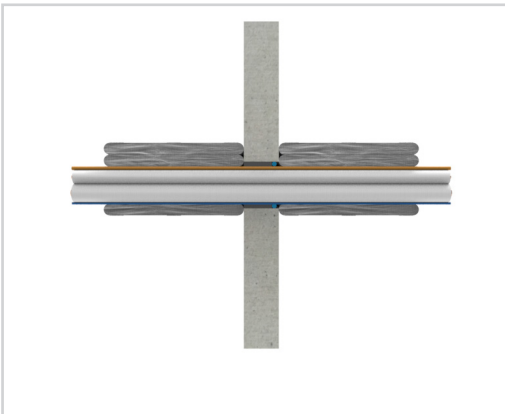
FyrePEX™ HP Sealant applied to depth of at least 60mm from top side of floor slab.

# INSULATION PERFORMANCE

# TWRAP

*In some instances, service penetrations with lagged copper pipes can draw too much heat during fire conditions and will not meet the thermal insulation requirements of the fire barrier's FRL. Where this occurs, TWrap can simply be wrapped around the services for 300mm to better insulate the penetration. Refer to the barrier and service specific tables from page 12 for details on when TWrap should be used.*

## WALLS

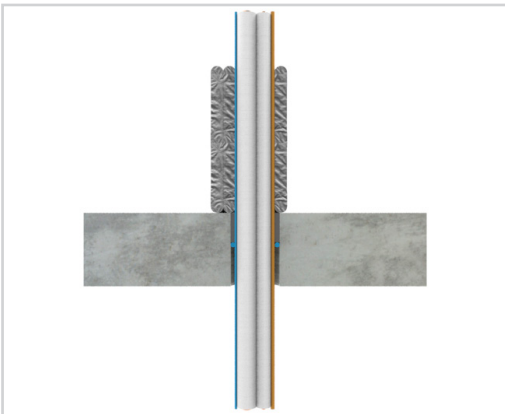


FyrePEX™ HP Sealant applied to the correct depth of the wall.



TWRAP secured on each side of penetration using three strips of reinforced aluminium tape applied around the wrap's circumference. TWRAP applied on both sides of the wall. Alternatively, apply steel ties 50mm from each end and at 150mm centres in between.

## FLOORS



FyrePEX™ HP Sealant applied to the correct fill depth.



On the top side of the slab, TWRAP secured on each side of penetration using three strips of reinforced aluminium tape applied around the wrap's circumference. Alternatively, apply steel ties 50mm from each end and at 150mm centres in between.

## FyrePEX™ HP Sealant System

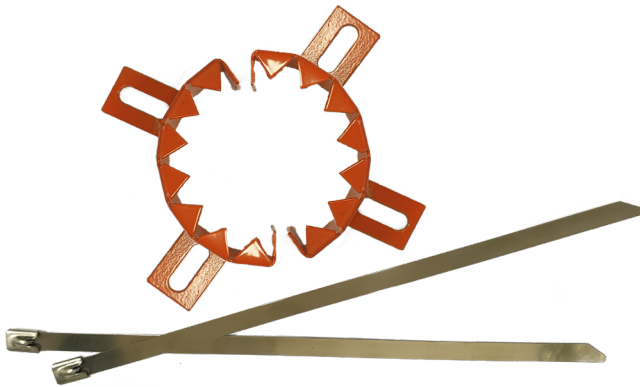


- Available in 310ml tube and 600ml sausage
- Suitable for PEX and air-con pipes and conduit



Item Number	Size	Colour	Box Qty
FYREPEX HP310	310ml Cartridge	Black/Dark Grey	25
FYREPEX HP600	600ml Sausage	Black/Dark Grey	12

## FyrePEX™ HP System Components



- Ensures visible compliance
- Reduces FyrePEX™ HP wastage



Item Number	Size	Kit	QTY
FYREPEX Sheath 50mm Set	50mm	2 Sheaths (4 halves) 2 x SS cable ties	1
FYREPEX Sheath 65mm Set	65mm	2 Sheaths (4 halves) 2 x SS cable ties	1

## FAQ

**Q Can I run my air-conditioning control cables as a bundle with my pair coil?**

**A** Yes, refer to specific installation pages for details on approved cables.

**Q Can I use FyrePEX™ HP Sealant to seal cable only penetrations?**

**A** FyrePEX™ HP Sealant is now approved for use in Pronto Panel walls only. All other cable penetrations should use FyreFLEX acrylic sealant.

**Q Can I use FyrePEX™ HP Sealant to seal PVC conduits?**

**A** Yes, up to 40mm. Refer to installation specifics for separate wall types.

**Q Is the opening size important?**

**A** Yes, intumescent sealants require the perfect volume of sealant to expand and perform appropriately. Using FyreSHEATH removes the need for larger openings.

**Q Do I need access to both sides of the wall?**

**A** Yes, except for Hebel or Speedpanel walls and concrete floor slabs which include approved one-sided installations.

## SOCIAL MEDIA

