



FIRETHERM

Intumastic HP



The Trafalgar fire stopping range includes:

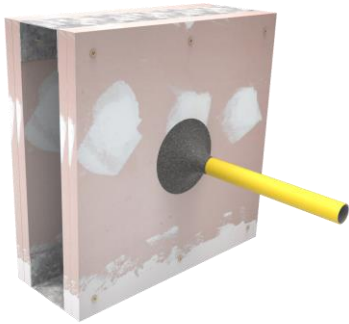
Sealant | Pillows | Mortar | FR Batts
FR Collars | FR Access Panels | Pipe Wraps
FyreWrap Duct Wrap | FR Downlight Covers
Intumescent Dampers | Fire Door Hardware
Fire Rated Board and Systems | Cable Coating
FYREBOX for multiple and mixed services

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Intumastic HP

Product Overview

Firetherm Intumastic HP is water based intumescent and acrylic mastic for internal use, containing inert fillers and graphite, used to treat service penetrations in fire barriers. Firetherm Intumastic HP reacts to the heat of a fire and expands - exerting pressure on any penetrating services to close off the penetration to prevent the spread of fire.



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



Up to 6x 3-core cables through a 50mm PVC pipe former in a 2 hour floor slab

APPLICATION:

Firetherm Intumescent pressure exerting mastic can be used to fire seal cables, cable trays, plastic and insulated metal pipes for single and double layer plasterboard walls, masonry walls and floors for up to two hours of fire protection.

FEATURES:

- Tested and approved in accordance with AS1530.4 and AS4072.1 standards
- Low smoke and non-hazardous
- Compliant with single layer plasterboard walls
- For use in both walls and floors

SPECIFICATION:

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

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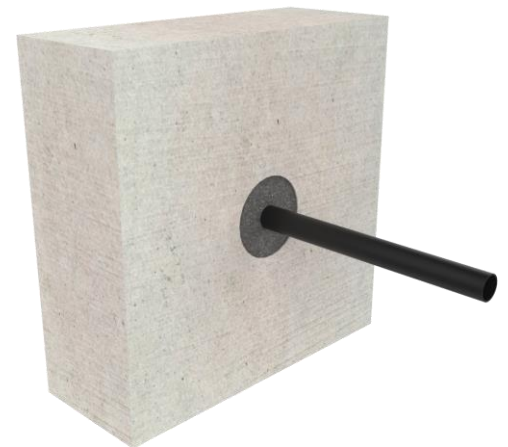
Technical Specifications

PRODUCT DESCRIPTION

Fire Rating	Up to -/120/120 (service and barrier dependent)
Colour	Black/Dark Grey
Testing	Tested to AS1530.4 and AS4072.1 in accordance with the National Construction Code (NCC).
Installation	Firetherm 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 control joints, larger metal pipes and cable penetrations, Trafalgar FyreFlex Sealant can be used. Contact Trafalgar for more information.



Mixed services and Firetherm sealant in a 2 hour masonry wall



Pex pipe and Firetherm Sealant in a 2 hour Hebel 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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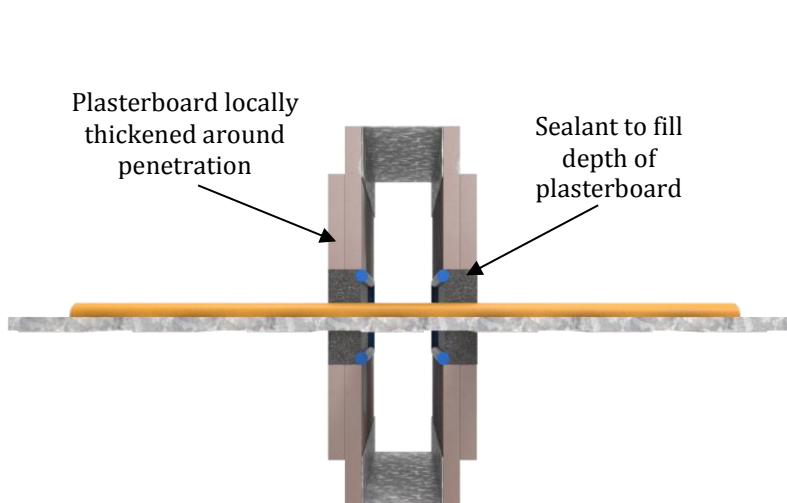
Technical Specifications

INSTALLATION REQUIREMENTS:

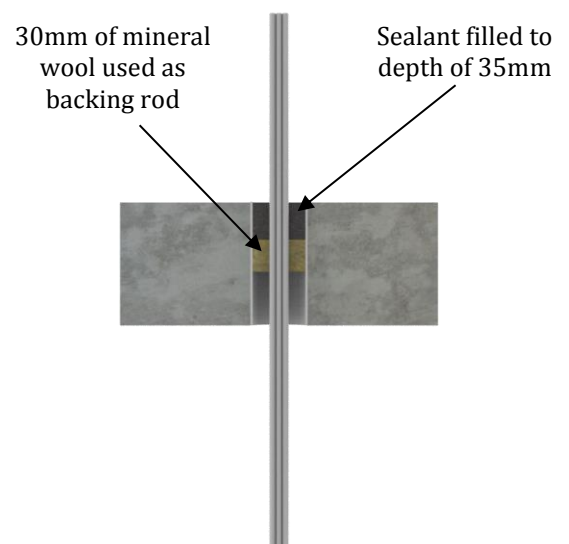
Electrical/Data cables

Wall/Floor	Services	Annular gaps	Fill depth	FRL	Install notes
1 hour plasterboard	Coaxial Cable	20mm	13mm	-/60/60	Filled to full depth of wall
1 hour plasterboard*	Bundle of up to 4x Twin and Earth TPS Power	30mm	25mm*	-/60/60	Filled to full depth of wall
1 hour plasterboard*	Cable trays up to 225mm with up to 5x 20mm OD cables	30mm	25mm*	-/60/60	Filled to full depth of wall
2 hour Masonry/hebel wall	Bundle of up to 12x TPS power or Red Fire alarm cables	10-40mm	100mm	-/120/120	Filled to full depth of wall
2 hour plasterboard	Bundle of up to 6x TPS power or Red Fire alarm cables	10-40mm	full depth	-/120/120	Filled to full depth of wall
2 hour floor slab [#]	Bundle of up to 2x17mm and 1x8.5mm OD cables in a 50mm PVC pipe former	10-40mm	35mm	-/120/120	Must use 30mm of mineral fibre backing rod
2 hour floor slab [#]	Bundle of up to 6x 3-core cables in a 50mm PVC pipe former	10-40mm	35mm	-/120/120	Must use 30mm of mineral fibre backing rod
2 hour floor slab	bundle of up to 12x TPS or red fire alarm cables	10-40mm	100mm	-/120/120	Filled to full depth of floor
2 hour plasterboard [#]	25mm uPVC Conduit with up to 8x TPS cables	10-30mm	26mm	-/120/120	
2 hour Masonry/hebel wall		10-30mm	26mm	-/120/120	

*Locally thickened with fire rated plaster for minimum 70mm around all sides of the penetration (both sides of the wall).



Cable tray and Firetherm Sealant in a 1 hour plasterboard wall



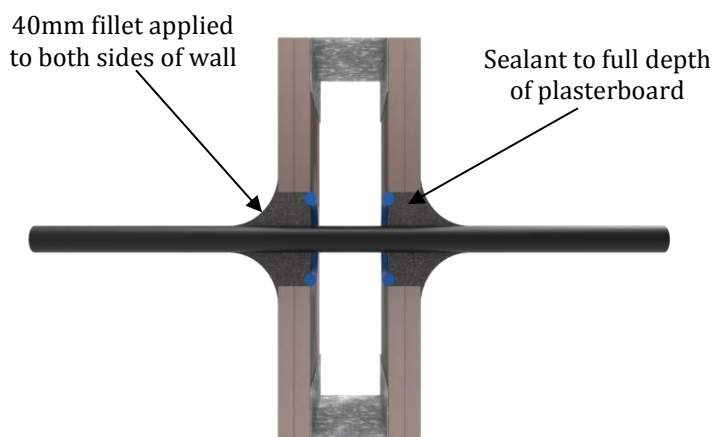
Bundle of up to 6x 3-core cables in a 50mm PVC pipe former through a 2 hour floor slab

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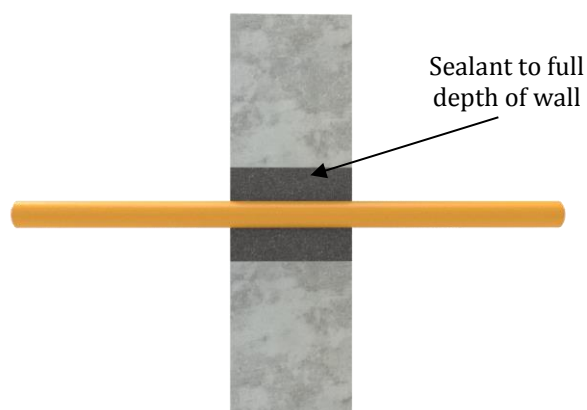
Intumastic HP

Technical Specifications

Plumbing - Plastic pipes					
Wall/Floor	Services	Annular gaps	Fill depth	FRL	Install notes
2 hour floor slab	33.4 and 48mm BlazeMaster CPVC fire sprinkler pipe	10-40mm	100mm	-/120/120	Filled to full depth of floor
2 hour plasterboard		10-30mm	26mm		40mm fillet applied to both sides of wall
2 hour Masonry/hebel wall		10-40mm	100mm		Filled to full depth of floor
2 hour floor slab	20mm uPVC pipe	10-40mm	100mm	-/120/120	Filled to full depth of floor
2 hour plasterboard	Up to 43mm OD PEX pipe	10-30mm	26mm	-/120/120	40mm fillet applied to both sides of wall
2 hour Masonry/hebel wall		10-40mm	100mm		Filled to full depth of wall
2 hour floor slab		10-40mm	100mm		Filled to full depth of floor
2 hour plasterboard	Up to 43mm OD PEX-AL-PEX pipe	10-30mm	26mm	-/120/120	40mm fillet applied to both sides of wall
2 hour Masonry/hebel wall		10-40mm	100mm		Filled to full depth of wall
2 hour floor slab		10-40mm	100mm		Filled to full depth of floor
2 hour Masonry/hebel wall	40mm HDPE pipe	10-40mm	100mm	-/120/120	Filled to full depth of wall
2 hour floor slab		10-40mm	100mm		Filled to full depth of floor



PEX pipe and Firetherm Sealant in a 2 hour plasterboard wall



Blazemaster CPVC sprinkler pipe and Firetherm Sealant in a 2 hour masonry wall

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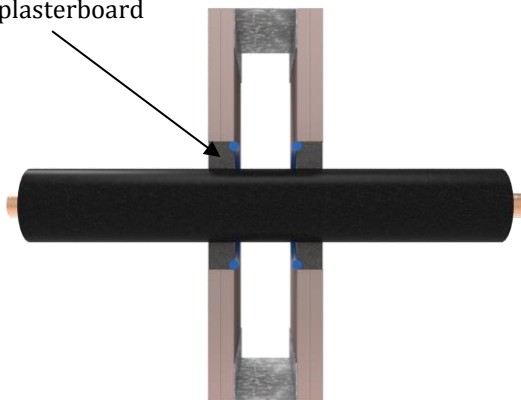
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Technical Specifications

Plumbing - Metal pipes

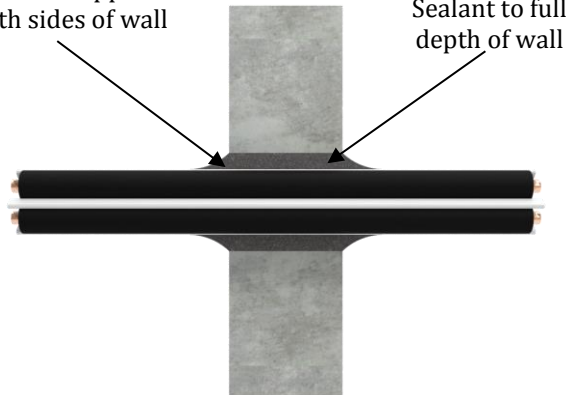
Wall/Floor	Services	Annular gaps	Fill depth	FRL	Install notes
2 hour Masonry/hebel wall	25mm OD Copper pipe (with 25mm FR Armaflex)	10-40mm	100mm	-/120/120	Filled to full depth of wall
2 hour floor slab		10-40mm	100mm		Filled to full depth of floor
2 hour Masonry/hebel wall	Up to 6x 13mm OD Copper pipes with 9mm Armaflex (and up to 6x TPS cables)	10-30mm	100mm	-/120/120	40mm fillet applied to both sides of wall
2 hour Masonry/hebel wall	Up to 6x 13mm OD Copper pipes with 9mm Armaflex (and up to 6x TPS cables)	10-30mm	100mm	-/90/90	Filled to full depth of wall

Sealant to full depth of plasterboard



Insulated copper pipe and Firetherm Sealant in a 2 hour plasterboard wall

40mm fillet applied to both sides of wall



Up to 6x insulated copper pipes and 6x TPS cables in a 2 hour masonry wall

Approved Fire Barriers	Construction Details
1 hour plasterboard	Minimum 120mm thick with 1x13mm plaster
2 hour plasterboard	Minimum 116mm thick with 2x13mm plaster either side
2 hour plasterboard [#]	Minimum 128mm thick with 2x13mm plaster either side
2 hour Masonry wall	Masonry/Concrete/Hebel wall - Minimum 100mm thick
2 hour floor slab	Masonry/Concrete/Hebel floor systems minimum 100mm thick
2 hour floor slab [#]	Masonry/Concrete/Hebel floor systems minimum 150mm thick

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Ordering Information

Firetherm Intumescent Sealant

Product	Product Code	Volume	Colour	Box Qty
Firetherm Cartridges	Firetherm Intumastic HP	310mL Tube	Black/Dark Grey	25

INSTALLATION:

Install Firetherm in full accordance to installation details provided above. Product will expand 52 times by volume. Reaction commences at 130°C.

1. Read the Firetherm Intumastic MSDS before starting work.
2. Ensure opening size corresponds to the maximum/minimum allowable gaps as detailed in the tables above.
3. Cut the end of the tube and trim the nozzle to size required.
4. Force Firetherm Intumastic HP into the penetration ensuring the correct depth of seal is achieved, and using backing material as required. Some installs require a 40mm fillet for compliance (see above tables or install the fillet on all installs as good general practice).
5. Tool off to a good finish using a wet trowel.



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.

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