TRAFALGAR

FYRESLEEVE FR Wraps

Intumescent Pipe Wraps



NOTE: NOT FOR USE WITH NCC2019 or NCC2022 PROJECTS AFTER MAY 2023

AUSTRALIAN OWNED 70 Years and Still Innovating

Trafalgar Fyre 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

Fight Fire With Fyre

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FR Wraps

Intumescent Pipe Wraps

Product Overview

Trafalgar FR Wraps are a high-performance intumescent wrap designed to stop the spread of fire between compartments where plastic pipes penetrate fire rated floors. FR Wraps consist of a factory sealed plastic sleeve containing intumescent material. The high performance intumescent expands to many times its original size in fire conditions, crushing the plastic pipe and sealing the penetration, preventing continued spread of fire.



Trafalgar's FR Wraps have been tested extensively in accordance with AS1530.4 and AS4072.1 under the National Construction Code. They have been used on building sites throughout Australia and the world.

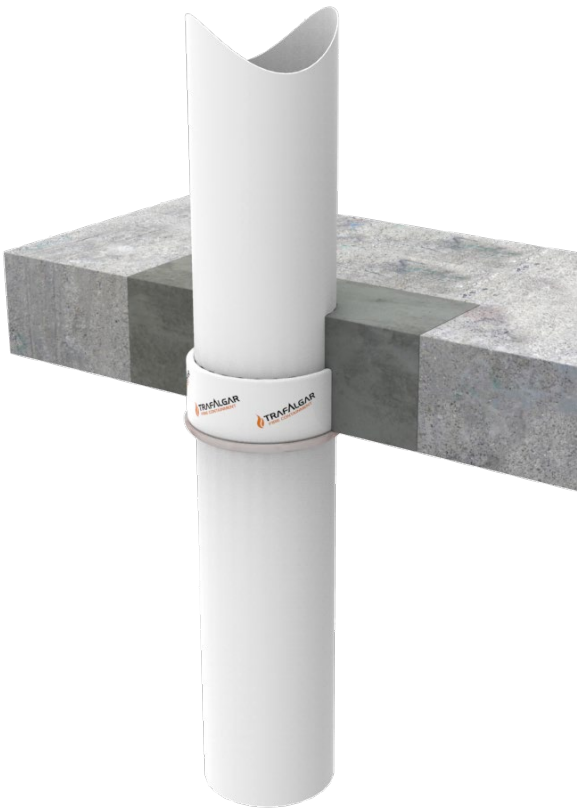
FR Wraps are ideal for where the installation of a traditional fire collar may be impractical.

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!**

FR Wraps

Intumescent Pipe Wraps

Product Overview



APPLICATION:

Trafalgar FR Wraps are suitable for use in buildings that have plastic pipes penetrating fire rated floors. FR Wraps must be cast-in or friction fit into the thickness of the concrete slab and cannot be surface mounted.

SUITABLE FOR:

FR Wraps are suitable for use with PVC plastic pipes through concrete floors.

SPECIFICATION:

All plastic pipe penetrations are to be sealed, so as to maintain the fire rating of the concrete floor in accordance with AS1530.4 and AS4072.1 using Trafalgar FR Wraps as detailed in Trafalgar's published installation instructions. Tested to AS1530.4-2005 – suitable for existing buildings/upgrade works completed prior to May 2023.

FR Wraps

Intumescent Pipe Wraps

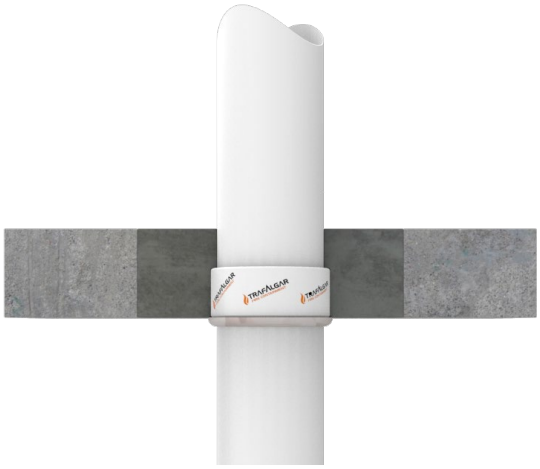
Technical Specifications

PRODUCT DESCRIPTION

Colour and Appearance	White plastic sleeve.
Collar Height	50mm
Maintenance	No specific maintenance required.
Installation	The FR Wrap is installed around the pipe and secured to itself using the integrated adhesive tab. For detailed specifications please refer to Trafalgar's printed installation instructions.
Testing	FR Wraps are tested and approved in accordance with AS1530.4 and AS4072.1. Tested to AS1530.4-2005 – suitable for existing buildings/ upgrade works only after May 2023.
Also Available	Trafalgar also supply retro fit fire collars for plastic pipes and a full range of other fire stopping products.



FR Wraps cast into a concrete slab



FR Wraps cast into a mortar penetration

IMPORTANT NOTE:

1. All FR Wrap installations must be finished with a bead of FyreFLEX Sealant, applied on the underside of the floor slab to provide a smoke and fire seal.

FR Wraps

Intumescent Pipe Wraps

Ordering Information

FR Wraps				
Product Code	Nominal Pipe Diameter	FR Wrap Height	Concrete Floor	Fire Rating
FR Wrap-32mm	32mm	50mm	Floor	-/180/180
FR Wrap-40mm	40mm	50mm	Floor	-/180/180
FR Wrap-50mm	50mm	50mm	Floor	-/180/180
FR Wrap-65mm	65mm	50mm	Floor	-/180/180
FR Wrap-80mm	80mm	50mm	Floor	-/180/180
FR Wrap-100mm	100mm	50mm	Floor	-/180/180
FR Wrap-150mm	150mm	75mm	Floor	-/180/180

FR WRAPS FAQ:

1. Can I use FR Wraps on metallic pipes or cable penetrations? No, only PVC pipes. Please contact Trafalgar for a range of other suitable fire stopping solutions.

2. Do I need to use fire rated sealant if I've cast my service into position? Yes- A small fillet of FyreFLEX Sealant is needed to seal the edges of the service to the fire barrier. See Trafalgar's written instructions for further details.

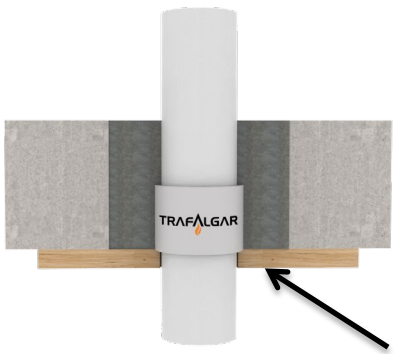
3. The hole for my plastic pipe is already formed. Can I still use a FR Wrap? Yes, provided that the annular gaps are small enough. The FR Wrap can be friction fit into place and sealed with FyreFLEX Sealant. Contact Trafalgar for more details.

Cast into a floor slab:

Step 1 – Wrap the FR Wrap tightly around the pipe and secure it using the self-adhesive strips provided, so that the wrap will be located flush with the underside of the floor slab.

Step 2 – Fit form-work around the pipe and pour the concrete slab as per the manufacturers installation instructions.

Step 3 – Finish the penetration on the underside of the slab with a small bead of Fyreflex Sealant around the perimeter of the service penetration to provide a smoke seal.



Formwork



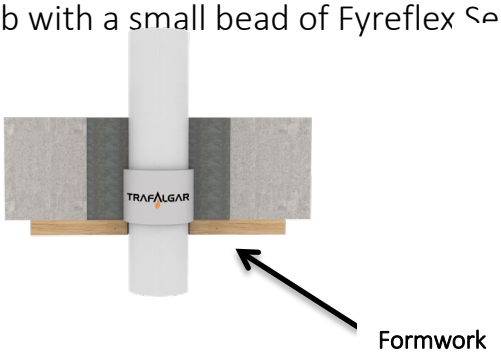
Cast into slab

Cast into Fyreset Mortar:

Step 1 – Wrap the FR Wrap tightly around the service using the self-adhesive strips provided, so that the wrap will be located flush with the underside of the floor slab.

Step 2 – Pour Trafalgar FyreSET Mortar into the annular gaps around the service to the correct depth required to maintain the FRL of the penetration, using Z-clips where required (see FyresSET Mortar technical guide for installation requirements)

Step 3 – Once the mortar has set, finish the penetration on the underside of the slab with a small bead of Fyreflex Sealant to provide a smoke seal





Friction Fit Installation:

Step 1 – Ensure that the correct size hole is cut to provide a friction fit, between the pipe and the floor slab.

Step 2 – Wrap the FR Wrap tightly around the service using the self-adhesive strips provided, so that the wrap will be located flush with the underside of the floor slab.

Step 3 – Finish the penetration on the underside of the slab with a small bead of Fyreflex Sealant around the perimeter of the service penetration to provide a smoke seal.

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Trafalgar has developed a range of **installation videos** to assist our customers. To view these step by step install videos please go to Trafalgar TV our YouTube Channel.

Subscribe and you will be notified when new videos are uploaded.

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