



**Passive Fire Protection
Product Catalogue
Third Edition**

**Solutions
2018**

Distributed by



TransNet NZ Ltd

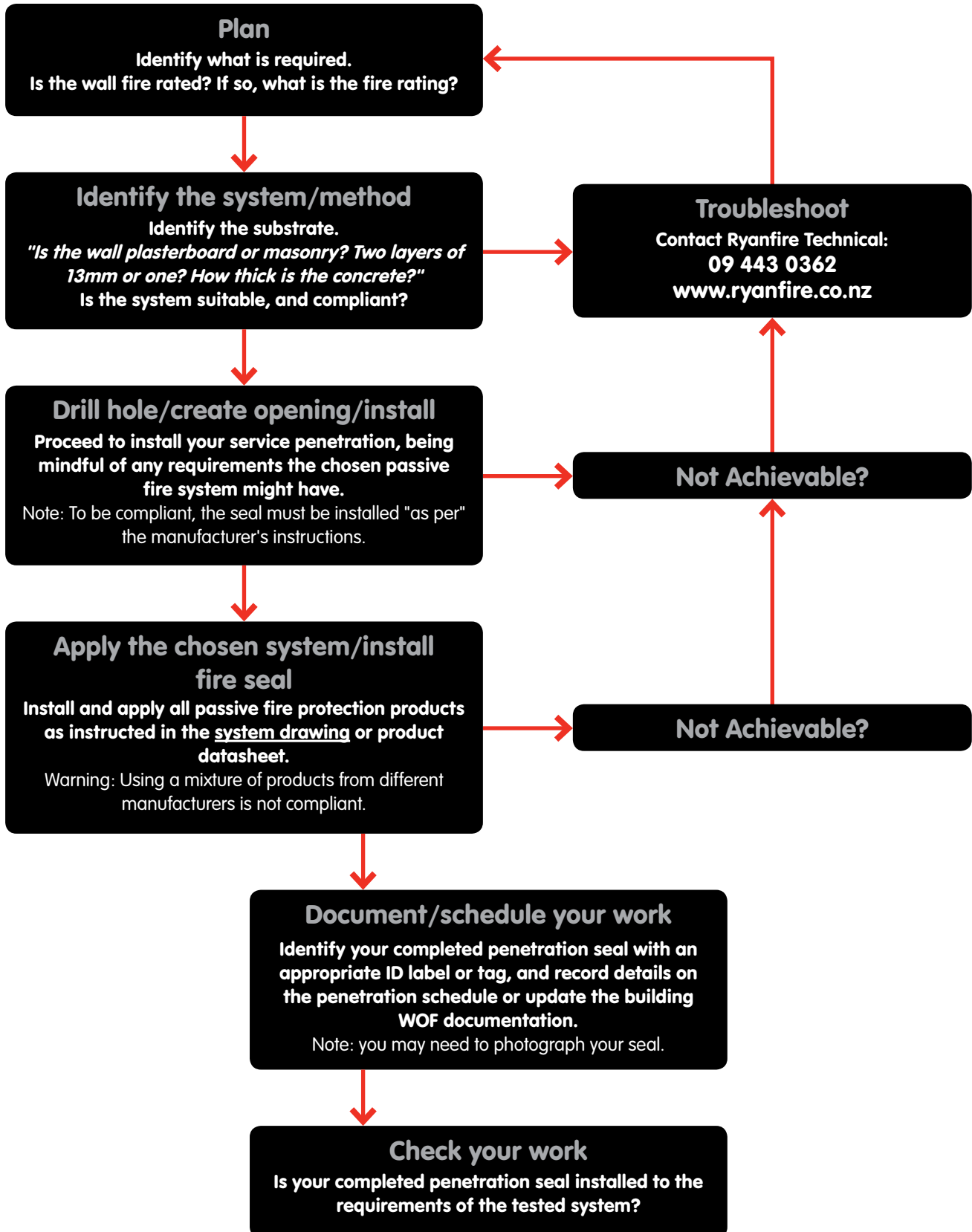
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PASSIVE FIRE-STOPPING FLOWCHART

(Basic Service Penetrations)



If in doubt, ask! Do it once, do it right!

In all cases, refer to the Ryanfire system datasheet for installation instructions and compliance information. Passive fire protection is a life-safety component to any building, therefore it is important that the products are installed correctly "as per" the manufacturers instructions to be compliant.

EXPANDING MASTIC HP

Intumastic HP is a low smoke intumescent pressure exerting mastic used to seal fire rated openings where passage of flame is a risk. Manufactured under controlled factory conditions and to precise specifications.

Features

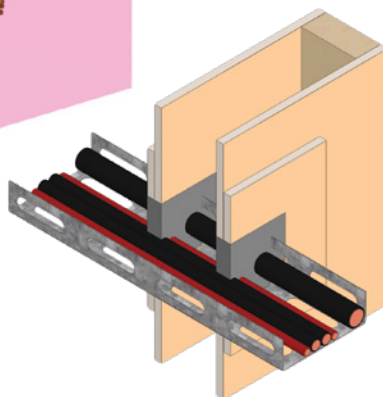
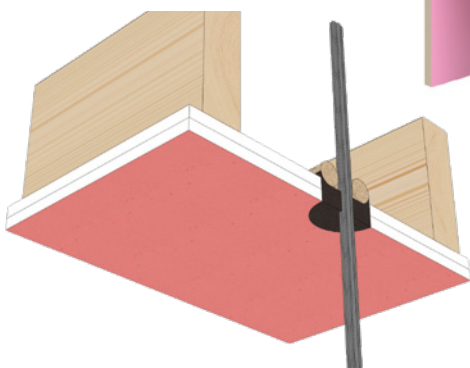
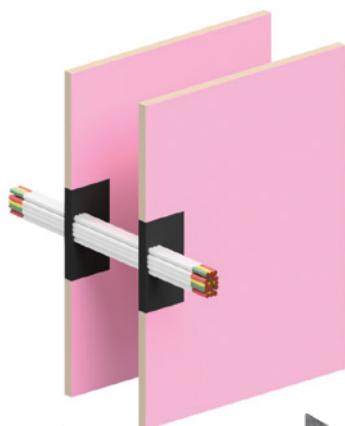
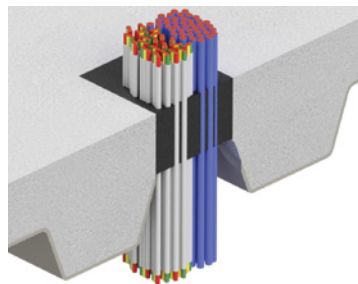
- Size: 310ml tube
- Colour: Grey
- Tack free time: 15-60 minutes depending upon temperature/humidity
- VOC: 4gm/litre
- Viscosity: 5,000-7,000 poise at 20°C
- Specific Gravity: 1.31 at 20°C

Applications

Intumastic HP may be used to seal openings in fire compartment walls and floors around services such as suitably supported ducts, pipe work and electrical cabling against the passage of fire and can provide up to two hours integrity in block-work and plaster board wall constructions.

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ID LABEL

A highly adhesive, tear resistant label used to easily identify the fire system and provide the required information for inspection and maintenance.

Features

- Available individually or in rolls or 500 labels
- 90mm x 65mm

FLEXIBLE MASTIC – WHITE

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This fire rated white mastic is suitable for dry internal use only and can be overpainted using acrylic paints.

Features

- Tolerant to building movement
- May be overpainted
- Fully tested for up to 240 minutes integrity & insulation
- Optifire identification
- Tools off easily with water
- Air pressure tested up to 2000Pa

Applications

Intumastic may be used to fire seal linear joints between substrates in compartment

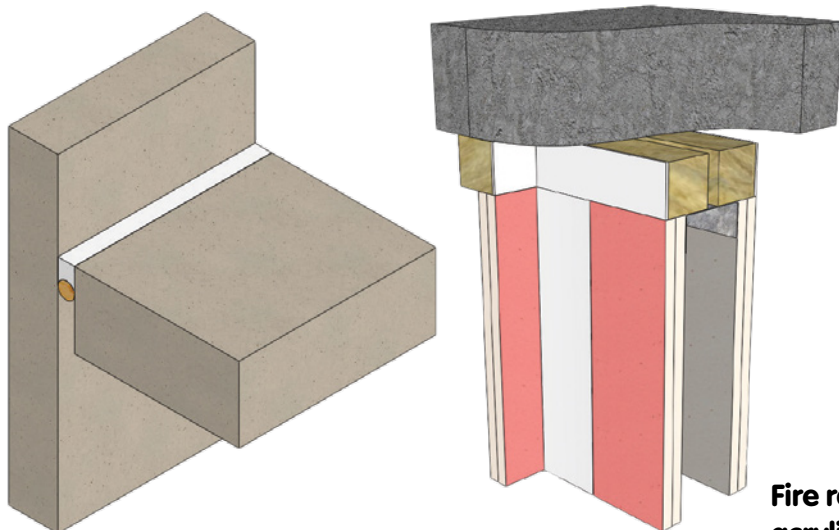
locations. Intumastic may also be used in movement joints and offers a movement capability of up to 30%.

Typical Scenarios

- Fire & smoke seals
- Linear joint seals
- Head of wall seals
- Intubatt bonding & pointing

May also be used for fire and smoke sealing around cables, steel pipes, copper pipes, cable trays, combustible pipes, dampers & ducting

- Available in 310ml tubes and 5L brush grade form
- Use with Intubatt



Fire rated internal use mastic containing acrylic emulsion, inert fillers & fungicide

BRUSH GRADE MASTIC

Brush grade mastic is a low viscosity liquid containing acrylic emulsion, inert fillers and fungicide. To be used for internal applications only. Can be painted over.

Available in a 5L tub.

Applications

Paintable Intumastic used with Intubatt for coating

edges and joints. Coat plain mineral fibre batts of a density exceeding 64 kg/m³ in situations where it is more cost effective to install uncoated mineral fibre and later apply. This fire rated white mastic is suitable for dry internal use only and can be overpainted using acrylic paints.



INTUBATT



Intubatt is an engineered, fibre manipulated, mineral fibre board, factory coated on both faces with our unique ablative (and identifiable) mastic. Manufactured under controlled factory conditions to precise thickness specifications.

Features

- No wastage
- Can be easily cut to suit awkward service penetrations
- Use with Intumastic (White)

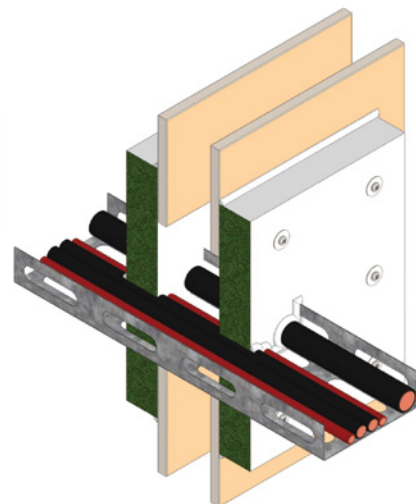
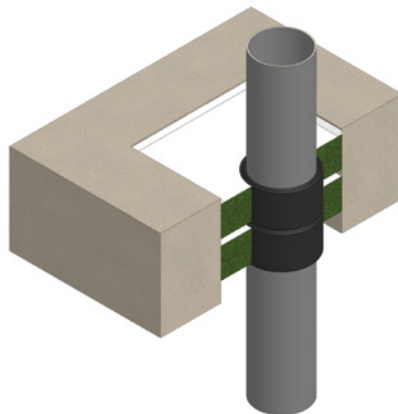
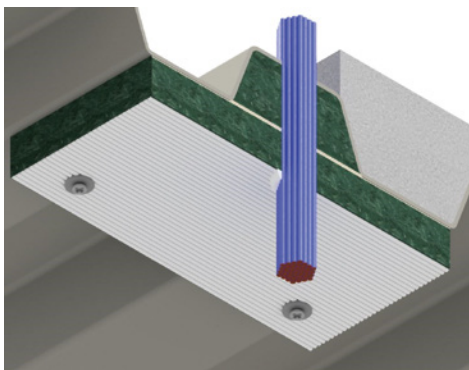
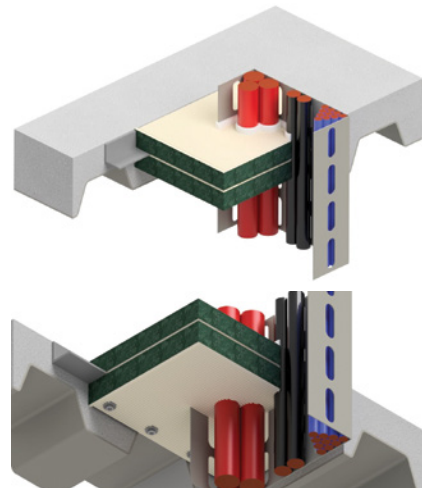
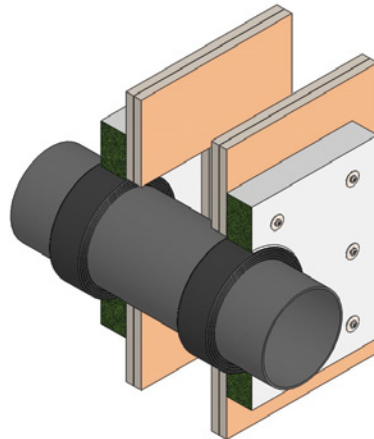
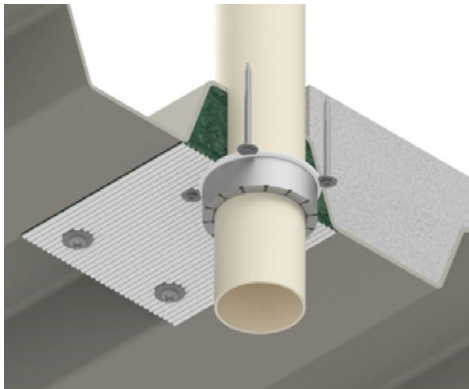
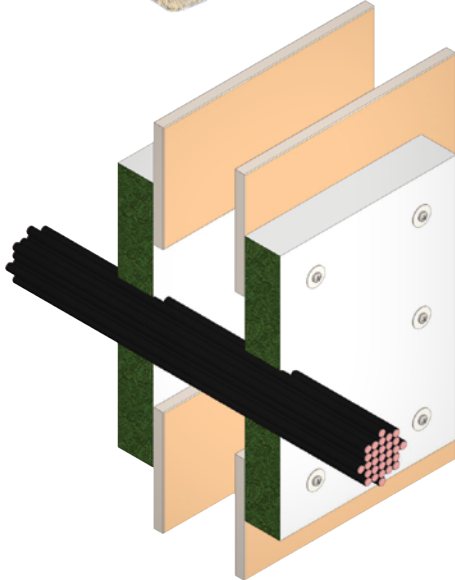
- Variety of testing and applications
- Size: 1200x600x50mm
- Colour: Off-white
- Density of mineral fibre board: 180kg/m³ (nominal)
- Tested to AS1530.4-2005/BS/EN 1366-3 BS476 Pt 22

Applications

Intubatt should be used to seal openings in fire compartment walls and floors around services such as suitably supported fire rated dampers, pipe work and electrical cabling against the passage of fire and can provide up to 4 hours integrity in Block-work and plasterboard constructions.

In all cases, refer to the [Ryanfire system datasheet](#) for installation instructions & compliance information.

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For use within walls and floors to maintain fire compartment lines

SLIMLINE FIRE COLLARS

In all cases, refer to the Ryanfire system datasheet for installation instructions & compliance information.

Passive fire protection is a life-safety component to any building, therefore it is important that the products are installed correctly "as per" the manufacturers instructions to be compliant.

Slimline fire collars consist of a Stainless Steel shell produced in two hinged halves, lined with intumescent material. They are designed to be placed around combustible pipes and fixed to compartment walls and floors with all steel anchors (supplied) in order to provide up to two hours of fire protection.

In a fire, the intumescent lining of the metal collar expands and crushes the heat softened plastic pipe leaving a potential path for fire completely sealed.

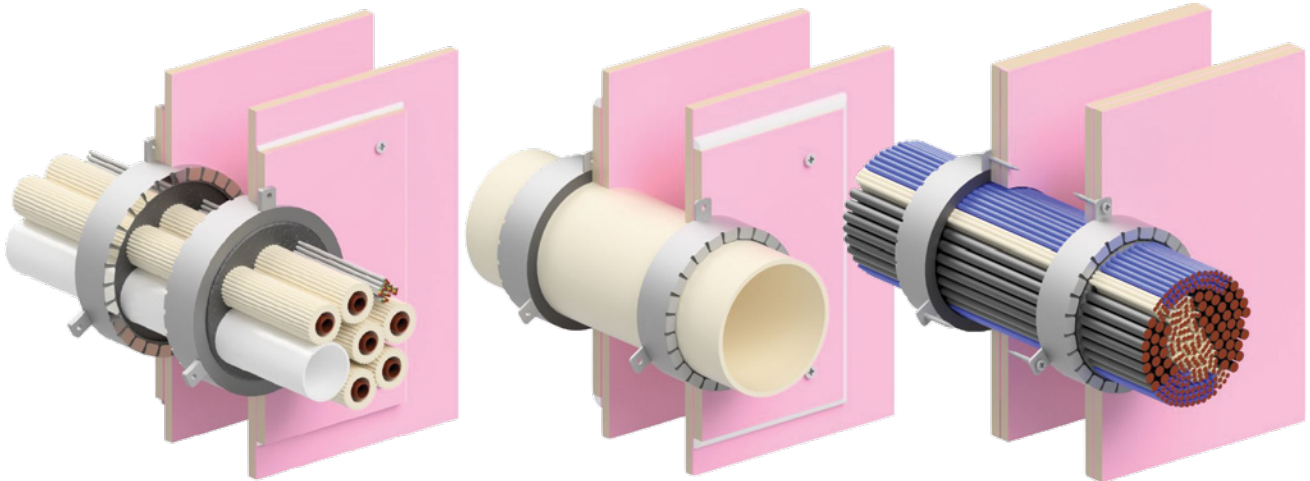
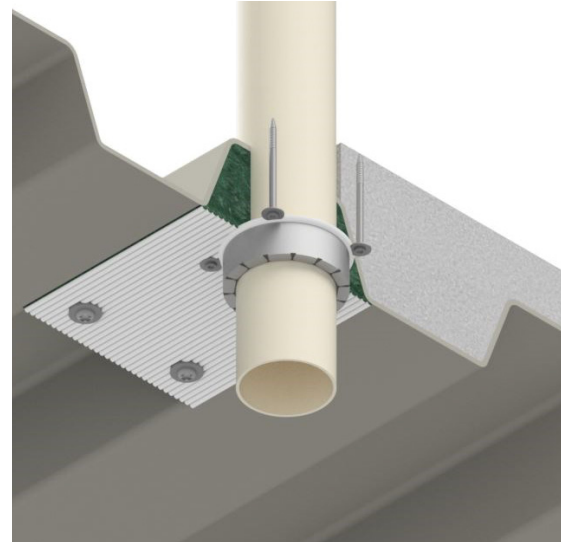
Applications

Used to seal plastic (PVC-u, PVC, C-PVC, PP, PE, HDPE, PPR, Friatherm and ABS) pipes as they pass through

fire compartment walls and floors.

Features

- Ultra-slim flange and body design ensures easy installation in awkward situations
- Simple single click clasp
- Up to 2 hours fire rating, depending on system detail
- Stainless Steel
- Water resistant
- Non-corrosive: inert product
- Range of sizes from 50mm Ø to 160mm Ø



Cat No.	Application Range Within Collar (mm)	Outside Diameter of Collar (mm)	Height (mm)	No. of Fixings
FTSLCOLLAR50	45-55	70	30	2
FTSLCOLLAR65	55-65	80	30	2
FTSLCOLLAR80	75-85	95	30	3
FTSLCOLLAR100	95-110	135	30	3
FTSLCOLLAR125	115-120	145	45	3
FTSLCOLLAR150	145-160	195	45	3

NOTE: This table is a guide only, minimum/maximum sizes may differ depending on the application - please refer to the system datasheet or contact Ryanfire technical for advice.

Used to seal plastic pipes as they pass through fire compartment walls & floors

RED FIRE COLLARS



Red fire collars consist of a metal shell produced in two hinged halves, lined with intumescent material. They are designed to be placed around combustible pipes and fixed to compartment walls and floors with all steel anchors (supplied) in order to provide up to two hours of fire protection.

In a fire, the intumescent lining of the metal collar expands and crushes the heat softened plastic pipe leaving a potential path for fire completely sealed.

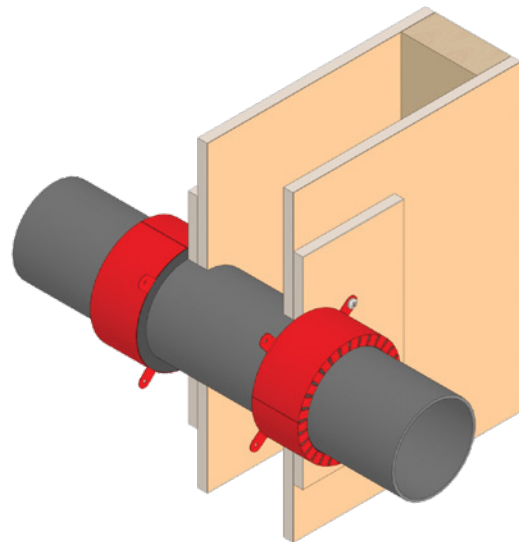
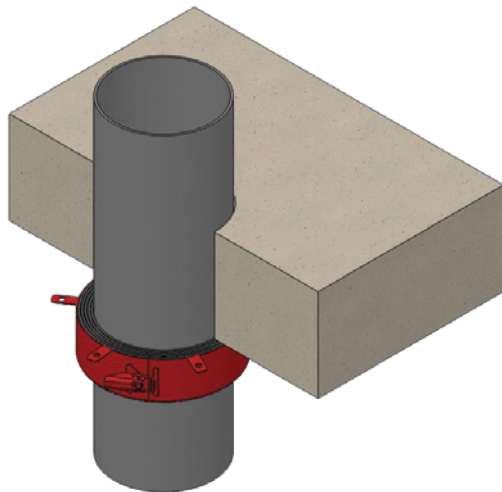
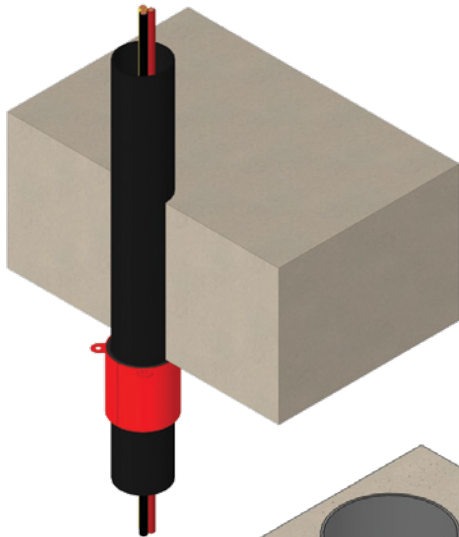
Applications

Used to seal plastic (PVC-u, PVC, C-PVC, PP, PE, HDPE, PPR, Friatherm and ABS) pipes as they pass through

fire compartment walls and floors.

Features

- Flange and body design ensures easy installation in awkward situations
- Simple single click clasp
- Water resistant
- Non-corrosive: inert product
- Tested with electrical cables and conduits
- Range of sizes from 32mm Ø to 160mm Ø



In all cases, refer to the [Ryanfire system datasheet](#) for installation instructions & compliance information.

Passive fire protection is a life-safety component to any building, therefore it is important that the products are installed correctly "as per" the manufacturers instructions to be compliant.

Cat No.	Application Range Within Collar (mm)	Outside Diameter of Collar (mm)	Height (mm)	No. of Fixings
FTCOLLAR32	25-32	42	60	2
FTCOLLAR40	35-42	52	60	2
FTCOLLAR50	45-55	67	60	2
FTCOLLAR65	55-65	84	60	2
FTCOLLAR80	75-85	103	60	3
FTCOLLAR100	95-110	132	60	4
FTCOLLAR125	115-120	156	60	4
FTCOLLAR150	145-160	211	60	6

NOTE: This table is a guide only, minimum/maximum sizes may differ depending on the application - please refer to the system datasheet or contact Ryanfire technical for advice.

Used to seal plastic pipes as they pass through fire compartment walls & floors



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CABLE TRANSIT

In all cases, refer to the Ryanfire system datasheet for installation instructions & compliance information.

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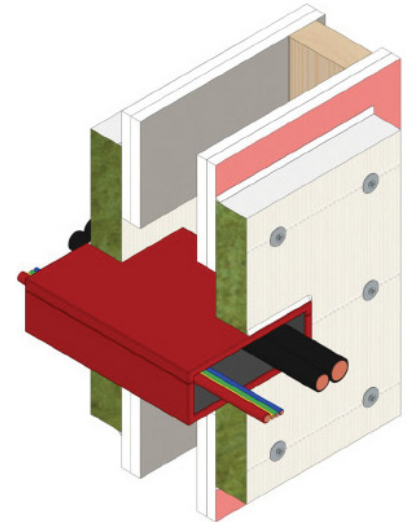
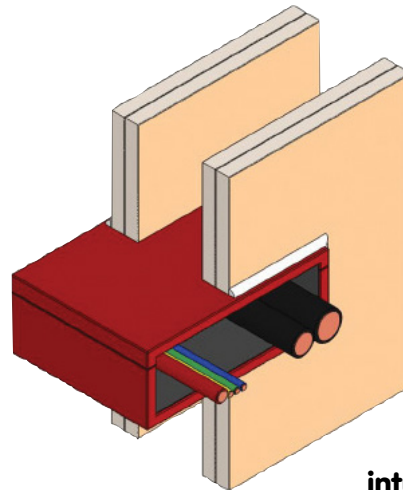
All cable transit will arrive preconfigured based upon requirements. The outer shell is steel lined with a high expansion intumescent and is specifically designed to provide a low cost solution for cables, conduits and combustible pipes and closing the cavity.

Applications

Cable transit provides a tested fire solution to cables, cables within conduits, and combustible pipes passing through internal walls and floors. During a fire, the intumescent within the metal sleeve expands around the heat softened combustible elements, leaving a potential path for fire completely sealed. Once installed within the substrate, the cable

transit product allows the removal and installation of services, without the risk of damaging fire seals.

Standard size: 204mm (W) x 60mm (H) x 140mm (D)



A high pressure graphite manipulated intumescent closer for cable penetrations

SERVICE SLEEVE

Service sleeves provide up to two hours fire protection around a wide range of combustible services. They are designed to provide fire stopping solutions to combustible services that would otherwise compromise the fire performance of drywall partitions.

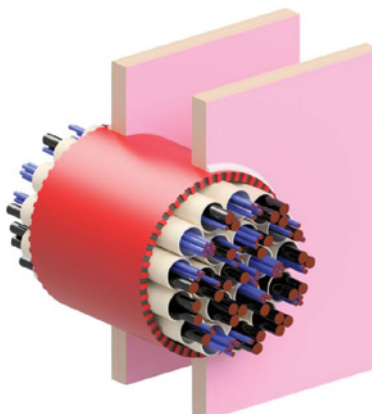
All service sleeves are easily retrofit installed, overcoming the problem of installed services. They are equally suitable for fixing prior to service installation. Comprised of an engineered steel enclosure, they are more resistant to damage or wear than alternative foiled products. Service sleeves are also unaffected by moisture, airborne or condensation.

All products are fully tested within drywall and Intubatt to provide solutions for any site situation that may arise.

Applications

Service sleeves may be installed centrally into formed un-lined drywall openings and sealed in place using our mastic sealants.

For larger openings, they may be incorporated within an Intubatt seal.



Engineered red steel sleeves containing high pressure intumescent inserts



PENOWRAP

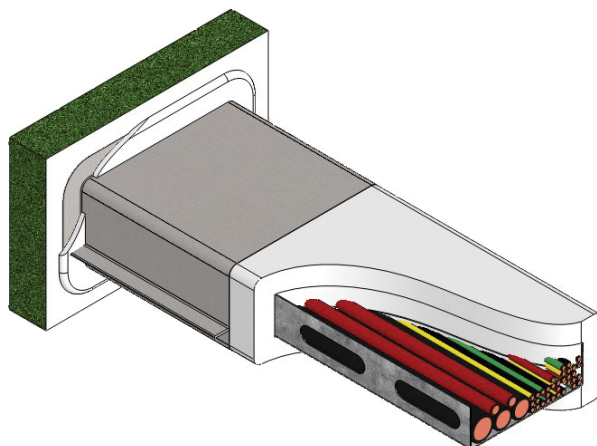
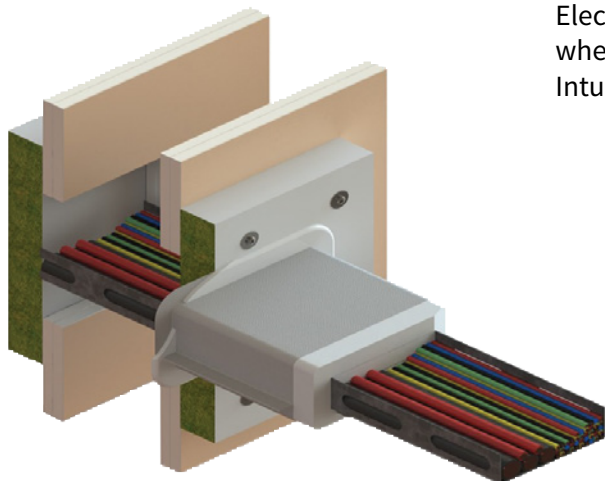
PENOWRAP is suitable for wrapping around service penetrations such as pipes and beams. Insulated Penowrap is used to maintain the insulation properties of a fireseal, communication bundles with or without trays, and Electrical Busways/Busbars, where they pass through Intubatt seals in concrete

floors, plasterboard, Speedpanel, Powerscape and masonry walls. The Penetration wrap is required on both sides of the fire seal for walls and floor or just top side only of a floor fire seal using a longer wrap.

Available in 10m long rolls which are 300mm wide and approximately 12mm thick.

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A fire retardant, filament-fibre fabric with an aluminised foil face

INTUCOMPOUND

Intucompound can provide a fire and smoke seal around service penetrations in walls and floors.

Intucompound has been shown by test to be capable of supporting unrestrained fire dampers.

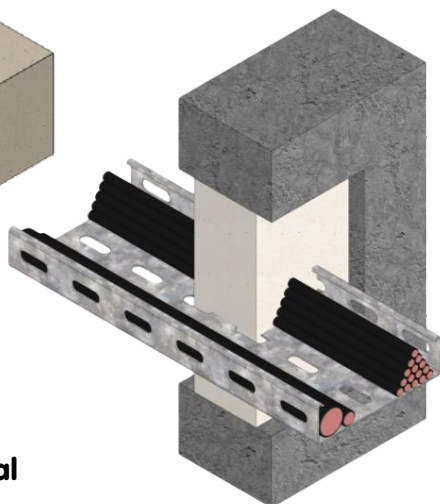
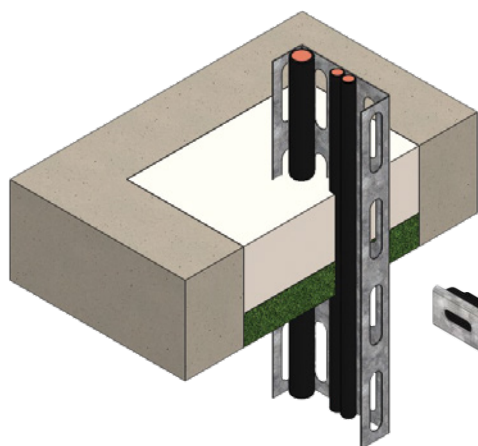
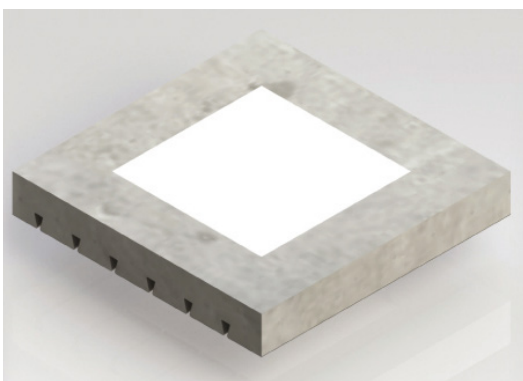
Because of the very fine texture of Intucompound and its capacity to expand during curing, it provides a smoke and fire tight seal around cables and multiple small pipes while creating an excellent bond to surrounding masonry in larger openings.

Features

- Exceptionally economical to use
- High fire rating performance
- Simple-to-use fire mortar

Applications

Use trowellable consistency for wall penetrations and pourable consistency for floor openings, first forming a shutter to restrain the material until set.



Load bearing fire and smoke seal compound

ACOUSTIC FIRE PAD

In all cases, refer to the Ryanfire system datasheet for installation instructions & compliance information.

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Acoustic fire pads are non-setting intumescent putty sheets designed to be a cost-effective and efficient method of firestopping electrical sockets in dry wall fire-rated partitions.

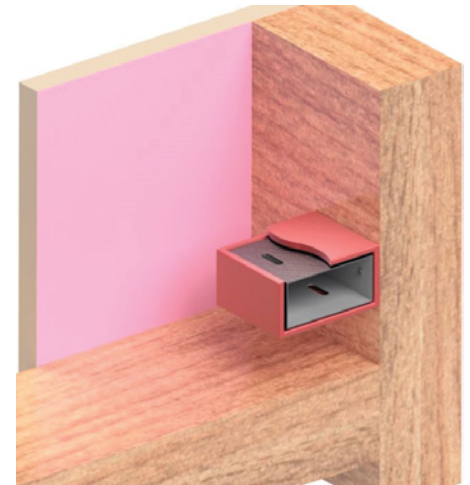
Features

- Up to 2 hours fire protection installed internally, up to 1 hour installed externally
- Simple to install
- Suitable for most drywall applications
- Acoustic rated with weighted sound reduction index of 65 in accordance with EN/ISO 7171-1
- Tested to AS1530.4-2005 & AS4072.1-2005
- Tested back to back
- Sound Transmission Class: 60

Applications

Putty Pads can be fitted around the outside of a metal TransNet flush box to achieve both an Acoustic and Fire rating.

Intuputty Pads are not a health, spill or environmental hazard. They are rot proof, do not sustain vermin and will not encourage the growth of fungi, mould or bacteria.



Provides fire protection and acoustic performance for wall socket boxes

FIRE PAD

In the case of heat or fire, the fire pad develops a high volume expansion (20.1) and a high expansion pressure which causes the complete closure of an opening within a short time in order to prevent the transition of smoke and fire.

Features

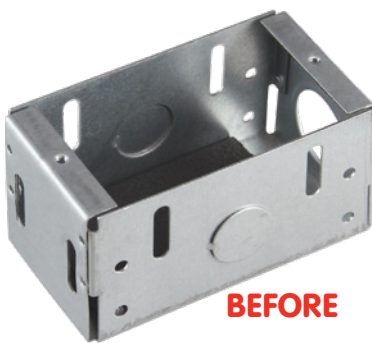
- Fire resistance class EL-90 according to EN 1366/3
- Tested to AS1530.4-2005 AS4072.1-2005

Applications

Electrical flush boxes such as

- Light switches
- Socket outlets

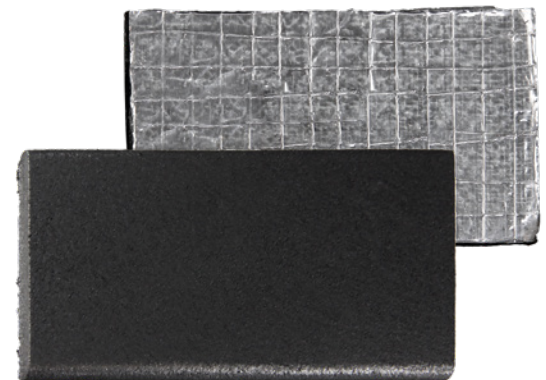
Tested with single and double layer GIB walls.



BEFORE



AFTER



High pressure graphite manipulated closer for electrical flush boxes

DOWNLIGHT COVER



These Ventilated Downlight Covers are designed to fire rate downlight fixtures and reinstate the performance of ceilings when penetrated by recessed downlights. Available in two sizes, they suit a wide range of lighting products over and above those covered by fire rated downlights, and have been designed to provide two hours fire integrity to circular downlights up to 200mm diameter.

The covers are simple to install and can be retrofitted into position, providing effective performance even if the downlight is removed and replaced. They prevent combustible materials from coming into contact with hot downlights – thus minimising fire risk. The downlight covers are ventilated to allow heat to disperse from the light, but in the event of a fire

the intumescent material expands to seal off the ceiling cut-out and vent holes.

Sprung steel stiffeners allow the downlight cover to be folded and easily pushed through the openings created for the light unit.

Features

- No site assembly, speeding up work and saving costs
- Available in two sizes to suit most situations
- Clear instructions aid fast installation - see Ryanfire system detail V62 for installation instructions

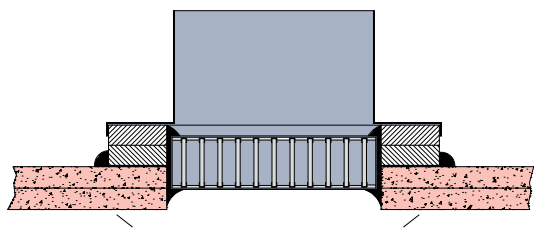
Applications

Can be installed from the room side or soffit face of a suspended ceiling, making installation quicker and easier than conventional solutions which require access from inside the ceiling void.

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Fire retardant intumescent covers for downlights



CEILING GRILLE

LVH44C high performance grilles are manufactured in Sydney using Z275 grade galvanised steel, suitable for external applications. Additionally, the surfaces of fixing points are treated with a corrosion resistant coating, giving them a highly durable finish.

Features

- Can be used to provide fire resistance of up to 60 minutes
- Fire Resistance in accordance with AS1530.4 2014

- Exhibit excellent airflow characteristics and give silent efficient operation with normal to high air velocities
- Can be used in high humidity
- Have a steel frame which contributes to fire resistance by preventing the inward deformation of surrounding structures thus protecting the intumescent materials
- Are resistant to vibration damage

Passive Fire Protection is a vital part of any design – safeguarding human life and reducing the risk to property in the event of fire.

TransNet is a leading supplier of passive fire systems to the electrical, data and HVAC industries and offer a solutions for all types of service penetrations.

All products supplied by TransNet are comprehensively tested at internationally accredited test laboratories and meet the New Zealand building code requirements.

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