The power behind electricity

OHUG Product Catalogue   Edition 01

Section 10

Fire Protection Products

Sealants

3M offer a wide range of sealing solutions from high performance fire barrier sealants to simple fire block foam sprays and lightweight packing material. They help prevent the spread of fire, smoke and toxic gases through penetrations.

3M™ FIP 1-Step Firestop Foam

Smoke, sound and firestopping foam for wall and floor penetrations.

> Easy to use and install
> Intumescent. Expands In Fire
> Expands 5 Times Upon Delivery
> Meets ASTM E-814, UL 1479
> Bonds to most construction substrates including, but not limited to, concrete, metal, wood, plastic and cable jacketing.
> Dries to a flexible solid.

Product Code	Order Code
312-12245	POA

3M™ Fire Block Foam FB-Foam

Ready-to-use foam fireblock designed to help prevent the spread of flames and smoke.

> Heat-resistant up to 115° C
> Tested to ASTM E 84 Class 1 (modified)
> Draftstop – helps reduce air infiltration
> Thermal insulator
> Ready-to-use (no mixing required)
> Tack-free in approximately 5 minutes
> Expands to quickly and effectively seal openings
> Sag-resistant formulation
> Excellent adhesion—bonds to concrete, brick, metals, wood, plastic and cable jacketing
> Minimal shrinkage

Size	Order Code
330ml Can	3MFR15

3M™ Fire Barrier CP 25WB+ Sealant

Our most popular firestop sealant approved up to 4-hours fire protection when used with most plastic and metal pipes.

> Australian standard testing in accordance with AS1530.4
> International testing in accordance with EN1366
> Provides up to 4-hours fire protection
> Superior adhesion – bonds to concrete, metals, wood, plastic and cable jacketing
> Intumescent – expands when heated to seal around items consumed by fire

* Not approved for use with CPVC pipes

Size	Order Code
300ml cartridge	3MFR18

3M™ Fire Barrier IC 15WB+ Sealant

Affordable UL, general-purpose sealant approved up to 3-hours fire protection when used with plastic and metal pipes.

> Australian standard testing in accordance with AS1530.4
> Meets International testing in accordance with EN 1366
> ASTM E814 (UL Listed)
> Provides up to 3-hours fire protection
> CPVC compatible
> Superior adhesion – bonds to concrete, metals, wood, plastic and cable jacketing
> Intumescent – expands when heated to seal around items consumed by fire

Size	Order Code
300ml cartridge	3MFR03

3M™ Fire Barrier Packing Material PM4

Lightweight packing material to be used with through-penetration firestops.

> Tested in accordance with ASTM E814 (UL Listed)
> Convenient, hand-tear dispensing
> For almost any through-penetrating firestop project
> Easy to use and less irritating to skin
> Available in 101.6mm x 6.25m rolls

Product Code	Order Code
312-12245	3MFR21

Water Tight Sealants

Achieve the benefits of firestopping and a watertight seal in one application.

- Provides excellent adhesion on most construction surfaces,
  including: concrete, gypsum, metal, plastic, wood and insulation
- Ideal for the following interior construction voids: blank openings,
  metallic pipes, non-metallic pipes, cables, cable trays, insulated pipes, busways, combos

3M™ Fire Barrier Water Tight Silicone 3000 WT Sealant

High-performance intumescent silicone achieves the benefits of a firestop and water tight seal.

> Provides up to 4-hours fire protection
> Excellent weatherability – ideal for fast-track construction
> Cures upon exposure to atmospheric humidity
> Re-enterable and repairable

Product Code	Order Code
312-12245	3MFR04

3M™ Fire Barrier Water Tight Sealant 1003 SL

Self-leveling silicone firestop for floor applications.

> Up to 3-hour fire ratings for joint systems per ASTM E 1966 (UL 2079)
> Up to 3-hour fire ratings for through penetrations per ASTM E 814 (UL 1479)
> Compression/extension recovery of ±31% of original joint width

Product Code	Order Code
312-12245	POA

Sprays and Sealants

3M Fire Protection Systems developed fire barrier sealants and sprays that meet the movement needs of head of wall, wall to wall, bottom of wall and perimeter joints. These products undergo stringent building movement testing prior to firestop testing and are designed to meet the challenges of firestopping construction joints for many years.

3M Construction Joint Firestopping Solutions

Whether you are a drywaller, carpenter, caulker, waterproofer, glazer or masonry contractor, one thing you know is construction joints move. When construction joints require firestopping, you need a tested product that can meet the demands of expanding and contracting joints day in and day out.

3M™ FireDam™ Spray 200

This sprayable coating is a quick and easy method for firestopping fire rated construction joints, including: head-of-wall, wall-to-wall, floor-to-floor and perimeter joints.

> Tested in accordance with ASTM E814 (UL Listed)
> High coverage rate reduces installation time
> Fast-dry, low-sag formula
> Grey colour blends well with both concrete and gypsum
> Dries quickly to dark grey or red
> Applies with conventional airless spray equipment
> Paintable when cured
> Elastomeric – forms a flexible seal with compression/extension of up to ± 25% of nominal joint width
> Easy clean-up with water
> Available in 20 Litre pails

Product Code	Order Code		Red		Grey	
312-12245	POA					

3M™ Fire Barrier Silicone Sealant 2000+

Bonds to most common construction materials to form a flexible seal.

> Tested in accordance with ASTME 814 (UL Listed)
> Superior adhesion
> Remains elastomeric and is weather resistant.
> Up to 4-hour fire ratings for joint systems per ASTM E 1966 (UL 2079)
> Up to 3-hour fire ratings for through penetrations per ASTM E 814 (UL 1479)
> Compression/extension recovery of±13% of original joint width
> Superior adhesion
> Weather-resistant
> Sound damping

Product Code	Order Code
312-12245	POA

Speciality Products

3M Fire Barrier Speciality Products. From wrap strips and restricting collars to 3M™ Fire Barrier Mortar, these code approved products help round out 3M's comprehensive offering of service penetration firestops.

3M™ Fire Barrier Plastic Pipe Device

Use for firestopping penetrating items such as plastic pipe and cables in new and retrofit installations.

> Australian standard testing in accordance with AS1530.4 in firestop systems up to 4 hours fire protection
> Ultra-fast anchoring system secures the device to most substrates without power tools
> One-piece construction makes installation easy
> Proven technology – intumescent action quickly seals off the penetrating item in a fire
> Can be used to seal the following plastic pipes: ccPVC, PVC, CPVC, FRPP, PVDF, ccABS and ABS
> Available in 38, 50, 76, 102 and 150 mm sizes
> All sizes with the exception of the 152 mm device utilize Ultra GS intumescent material. 152 mm device used FS-195+ strip

Size	Order Code
38mm	3MFR08
50mm	3MFR09
76mm	3MFR10
102mm	3MFR11
150mm	3MFR12

3M™ Fire Barrier Wrap Ultra GS

Flexible, intumescent wrap strip expands when exposed to high temperatures.

> Up to 3-hour fire ratings per ASTM E 814 (UL 1479)
> Excellent weatherability
> For use in drain, waste, vent or closed pipe systems
> Easily cut and shaped with common tools
> Used to firestop the following plastic pipes: ccPVC, PVC, FRPP, PVDF, ccABS and ABS
> Provides a smoke seal when used in conjunction with 3M™ Fire Barrier Sealant (CP 25WB+, IC 15WB+,3000 WT) or 3M™ Fire Barrier Mouldable Putty MP+
> Available in 50.8 mm x 12 m roll

Product Code	Order Code
312-12245	POA

3M™ Fire Barrier FS-195 + Wrap/Strips

A one-part, intumescent and elastomeric strip with foil on one side.

> Australian standard testing in accordance with AS1530.4in firestop systems
> International testing in accordance with EN1366 and
> ASTME 814 (UL Listed)
> Can be cut to fit irregular shapes
> Available in 6.35 mm x 50.8 mm x 609.6 mm strips

Size	Order Code
6.35mm x 50.5mm x 609.6mm	3MFR22

3M™ Fire Barrier RC-1 Restricting Collar

Works in conjunction with Wrap/Strip to firestop plastic pipes up to 254 mm in diameter.

> 28-gauge steel
> Convenient 7.62 m roll – cut only what you need

Product Code	Order Code
312-12245	POA

3M™ Fire Barrier Tuck-In Wrap Strips

3M™ Fire Barrier Tuck-In Wrap Strips are designed for use with PVC, PVCc, PE and PP plastic pipes penetrating through concrete floors, block and concrete walls, and gypsum stud walls. Wrap Strip easily slides into annular space and is topped with 3M™ Fire Barrier IC 15 WB+ and 3M™ Fire Barrier Watertight Silicone 3000 WT Sealant.

> Three sizes available (200 mm, 300 mm & 400 mm)
> Available in roll of 2.4 mm
> Engineered for top-side firestop through penetration installations on concrete floors
> Tested to EN1366 for plastic pipe penetrations
> Labour savings – helps eliminate the need for retaining collar, concrete screws, ladder, etc.
> Flexible foam strip wraps around pipe to fill tough areas and gaps
> Adhesive closure tab for easy installation
> Expands 100x in volume
> Wrap Strip pre-cut to nominal pipe size

Product Code	Order Code
312-12245	POA

Fire Protection Products

Section 10.

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3M™ Fire Barrier Mortar

Unlike common mortar, which shrinks when exposed to fire, 3M Fire Barrier Mortar slightly expands (intumesces) to help protect against the spread of fire, smoke and toxic gases.

> Australian standard testing in accordance with AS1530.4 International testing in accordance with EN1366 and ASTME 814 (UL Listed)
> Provides up to a 3-hour Integrity rating
> Variable mix ratio permits self-leveling and no-sag application consistencies
> Pumpability allows for faster installation
> Asbestos free, non-shrinking, non-load bearing formula
> 20 kg bag yields a minimum 0.25 m2 of opening area at 75 mm depth

Weight	Order Code
19.6kg	3MFR19

3M™ Fire Barrier Expantrol Flexible Intumescent Strip (E-FIS)

Designed to seal the air space between doors and frames and for glazing fire resistant glass to help prevent the passage of smoke and flames in the event of a fire.

> Expands when heated to seal around objects consumed by fire
> Retards spread of toxic by-products of combustion
> Excellent flexibility, easy, cost-effective installation
> Low flame spread and smoke development
> Can be cut to fit irregular shapes
> No special tools required
> Non-flame supporting
> Low odour

Product Code	Order Code
312-12245	POA

3M™ Fire Barrier Pillows

Stackable and conformable firestop pillows for new and retrofit projects.

> Australian standard testing in accordance with AS1530.4
> International testing in accordance with EN1366 and ASTM E814 (UL Listed)
> Provides up to a 3-hour integrity rating
> No wire mesh reduces safety issues
> Easy to install, easy to remove and reuse
> No cutting and no mess – just lock pillows together, compress and place (use 3M™ Fire Barrier Mouldable Putty+ around edges to ensure proper seal)
> No graphite
> Excellent aging properties
> Available in 51 x 102 x 229 mm (small), 51 x 152 x 229 mm (medium) and 76 x 152 x 229 mm (large) pillow sizes

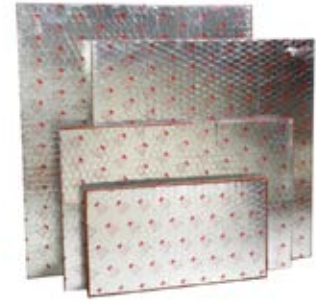| Size	Order Code
Small 50.8mm x 101.6mm x 228.6mm	3MFR05
Medium 50.8mm x 152.4mm x 228.6mm	3MFR06
Large 76.2mm x 152.4mm x 228.6mm	3MFR07

3M™ Fire Barrier CS-195+ Composite Sheet

Ideal for fire-stopping blank openings and through-penetrations of multiple cables, pipe ducts and cable trays.

> Australian standard testing in accordance with AS1530.4
> International testing in accordance with EN1366 and ASTME 814 (UL Listed)
> Provides up to a 4-hour Integrity rating
> Great substitute to firestop mortar in the wall
> No mixing or damming required
> Easy to install using common trade tools
> Easy to fasten, bolt punch or drill through and use self- tapping screws or anchor bolts
> Re-enterable

Size	Order Code
40.64 x 71.12 cm	POA
91.44 × 60.96 cm	POA
91.44 × 91.44 cm	POA
91.44 × 104.14 cm	POA
71.12 x 132.08 cm	POA

3M™ Fire Barrier Mouldable Putty Stix MP+

Designed to firestop a wide variety of through penetrations, including: cable, conduit, insulated pipe and metal pipe.

> Australian standard testing in accordance with AS1530.4 in firestop systems
> International testing in accordance with EN1366 and ASTME 814 (UL Listed)
> Pliable – can form into almost any desired shape
> Will not dry out or crumble
> Can be sealed for reuse
> Available in 36 x 279 mm stick size

Size	Order Code
40mm x 280mm	3MFR02

3M™ Fire Barrier Mouldable Putty Pads MPP+

Designed to firestop a wide variety of through penetrations, including: cable, conduit, insulated pipe and metal pipe.

> Australian standard testing in accordance with AS1530.4 in firestop systems
> International testing in accordance with EN1366 and ASTME 814 (UL Listed)
> Pliable – can form into almost any desired shape
> Will not dry out or crumble
> Can be sealed for reuse
> Available in 3 mm thick pads: 102 x 203 mm,178 x 178 mm and 241 x 241 mm sizes

Size	Order Code
178mm x 178mm	3MFR01

3M Flexible Wrap Fire Protection Systems

3M Flexible Wrap Systems address a variety of application needs including air ducts, grease ducts, chemical exhaust ducts and plenum. They are also excellent for oil and gas refineries and other industrial applications. The insulative properties help keep heat, fire and smoke contained.

3M™ Fire Barrier Duct Wrap 615+

Manufactured with a man-made vitreous spun fibre, a calcium-magnesium silicate (CMS) wool technology which is bio-soluable, allowing for low thermal transfer properties in a lightweight, low profile, easy to apply product.

Features

> Lightweight 96kg/m^3 and thin 38mm for easier application
> Broadsheet and most economical tested duct hanging support system in the industry
> Up to 2 hour fire protection tested to AS1530.4 for exteral and internal fire
> Single and double layer systems available

Product	Descriptioin
3MFR16	Small Roll (38 mm x 609mm x 7.62m roll)
3MFR17	Collar (38 mm x 610mm x 7.62m roll)

3M™ Interam™ E-5A-4 Mat

Resists heat and fire to protect structural steel and provide electrical circuit protection around cables, cable trays and conduits.

> Tested in accordance with ASTME 814 (UL Listed)
> AS1530.4 for insulation of metal pipes
> Hydrocarbons pool fire approved systems
> Endothermic – releases chemically bound water to cool the outer surface when exposed to high temperatures
> Made of a combination of ceramic fibres and inorganic endothermic material
> Easily cuts to size and flexible
> 10 mm thick x 62.23 cm width x 6.1 m length roll size

Order Code
POA

3M™ 425 Aluminium Foil Tape

Aluminium foil tape is a 5 mil nominal dead soft aluminium foil backing combined with a transparent acrylic adhesive designed to seal the cut edges of 3M Duct Wrap and Interam mats to complete the total encapsulation.

> 0.127mm aluminium foil
> Acrylic adhesive
> Tensile strength: 30 lbs./in. width (525N/100 mm)

Size	Order Code
25mm x 55mm	3M094
50mm x 55mm	3M053
75mm x 55mm	3M095

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