



Fire Protection Products

3M™ Fire Barrier Ultra GS Wrap Strip

Technical Data Sheet

August / 2021

Product Description

3M™ Fire Barrier Ultra GS Wrap Strip is an intumescent wrap, used to form a penetration seal around cables, metallic and non-metallic pipes, and other penetrants with or without insulation, to restore the fire resistance performance of wall, floor and floor-ceiling assemblies.

The intumescent property of this material allows 3M™ Fire Barrier Ultra GS Wrap Strip to expand and help maintain a firestop for protection against the passage of flame, smoke and the rise of temperature as service penetrations are exposed to fire.

The wrap is cut to the appropriate length, wrapped around the penetrating item(s) the required number of times. 3M™ Fire Barrier Ultra GS Wrap Strip can be installed as an in-hole solution or retained with collars and secured to the supporting construction. It is used in conjunction with 3M™ Fire Barrier 3000 WT, 3M™ Fire Barrier CP 25 WB+, or 3M™ Fire Barrier IC 15 WB+ Sealant.

Product Features

- 3M™ Fire Barrier Ultra GS Wrap Strip is a graphite-based, flexible, intumescent strip.
- May be used to provide a penetration seal in framed gypsum wall, block wall and solid concrete wall or floor constructions.
- Fire classification up to 4 hours in accordance with ASTM E814 (UL 1479) & up to 2 hours in accordance with CAN/ULC-S115.
- Strong intumescence: expands when heated to seal around services when exposed to fire.
- Supplied in continuous rolls which are quick and easily installed.
- Excellent thermal insulator when expanded

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Applications

3M™ Fire Barrier Ultra GS Wrap Strip provides a rapid and cost-effective means of sealing wall and floor penetrations where fire resistance is required.

The 3M™ Fire Barrier Ultra GS Wrap Strip can be used to seal ccPVC, PVC, CPVC, FRPP, PVDF, ccABS, and ABS pipes as well as cables penetrating up to 4-hour fire rated assemblies. Assemblies may be constructed from gypsum wallboard, block wall and solid concrete walls and floors. It may be applied to drain, waste, vent or closed pipe systems. The 3M™ Fire Barrier Ultra GS Wrap Strip is often used in conjunction with the RC-1 Restricting Collar for firestopping plastic pipe. See UL Fire Resistance Directory for current through-penetration systems.

Specifications

The penetration seal must be capable of passing ASTM E814 (ANSI/UL 1479) Standard Method of Fire Tests for Through Penetration Fire Stops, and CAN/ULC-S115 Standard Method of Fire Tests of Firestop Systems up to the desired fire resistance. All penetrations in fire-rated walls or floors shall be fitted and sealed with 3M Brand Fire Barrier Products in accordance with the manufacturer's installation instructions. 3M™ Fire Barrier Ultra GS Wrap Strip installations shall meet the requirements of the IBC, IRC, IFC, IPC, IMC, NFPA 5000, NEC (NFPA 70), NFPA 101 and NBC.

Performance and Typical Physical Properties

	3M™ Fire Barrier Ultra GS Wrap Strip
Roll Size	1/8" x 2" x 40' (3 mm x 5,08 cm x 12,1 m)
	3M™ Fire Barrier Ultra GS XL Wrap Strip
	1/8" x 4" x 40' (3 mm x 10,16 cm x 12,1 m)
Color	Gray/Black

Installation Techniques

Equipment: 3M™ Fire Barrier Ultra GS Wrap Strip may be applied entirely by hand.

Installation Details: Apply 3M™ Fire Barrier Ultra GS Wrap Strip by hand. Third party tested and listed systems details must be followed for each specific application

Limitations: Do not apply 3M™ Fire Barrier Ultra GS Wrap Strip when surrounding temperature is less than 32°F (0°C) and in conditions where seals may be exposed to rain or water spray within 18 hours of application. Do not apply 3M™ Fire Barrier Ultra GS Wrap Strip to building materials that bleed oil, plasticizers or solvent (e.g. impregnated wood, oil based sealants or green or partially vulcanized rubber). Do not apply 3M™ Fire Barrier Ultra GS Wrap Strip to wet or frost-coated surfaces or to areas that are continuously damp or immersed in water. Avoid repeated freeze/thaw exposures of the 3M™ Fire Barrier Ultra GS Wrap Strip prior to installation.

Consult a 3M Authorized Fire Protection Products Distributor Sales Representative for applicable UL, cUL, ULC, Intertek or other third-party drawings and system details

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Maintenance

No maintenance is expected to be required when installed in accordance with the 3M™ Fire Barrier Ultra GS Wrap Strip tested and listed third party systems. Once installed, if any section of the 3M™ Fire Barrier Ultra GS Wrap Strip is damaged, the following procedure will apply: Any damaged product must be cut out and removed. The open area created must then be filled with new product following third party tested and listed systems.

Storage and Shelf Life

3M™ Fire Barrier Ultra GS Wrap Strip is packaged in corrugated cardboard boxes. Product is stable under normal storage conditions. Normal stock and stock rotation practices are recommended. Pallets should not be stacked.

- Store dry in a cool place
- Storage temperature: not under 0°C and not over 35°C
- Take care of sufficient ventilation
- Keep out of reach of children

3M™ Fire Barrier Ultra GS Wrap Strip shelf life is indefinite when stored in original unopened packaging in a dry warehouse environment.

Lot numbering is contained in two rows of ten numeric characters printed on a sticker on the core of the Ultra GS roll. Top row: First three digits = Length of roll in feet, fourth to seventh digit = the run number, eighth to tenth digits = the drum number. Bottom row: First three digits = Last three digits of year manufactured (017 = 2017), fourth to sixth digit = Julian Date, seventh to tenth digit = Machine number.

e.g.

0407189008 | 40 feet of Run# 7189 on drum 008

0172480001 | Made 248th day of 2017 (Sept. 5th, 2017) on machine 0001

Availability

Available from 3M Authorized Fire Protection Products Distributors. For additional technical and purchasing information, call 1-800-328-1687 or visit 3M.com/firestop.

Safe Handling

Consult Safety Data Sheet prior to handling and disposing of 3M™ Fire Barrier Ultra GS Wrap Strip.

Technical Information

The technical information, guidance, and other statements contained in this document or otherwise provided by 3M are based upon records, tests, or experience that 3M believes to be reliable, but the accuracy, completeness, and representative nature of such information is not guaranteed. Such information is intended for people with knowledge and technical skills sufficient to assess and apply their own informed judgment to the information. No license under any 3M or third party intellectual property rights is granted or implied with this information.

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Product Selection and Use

Many factors beyond 3M's control and uniquely within user's knowledge and control can affect the use and performance of a 3M product in a particular application. As a result, customer is solely responsible for evaluating the product and determining whether it is appropriate and suitable for customer's application, including conducting a workplace hazard assessment and reviewing all applicable regulations and standards (e.g., OSHA, ANSI, etc.). Failure to properly evaluate, select, and use a 3M product in accordance with all applicable instructions and with appropriate safety equipment, or to meet all applicable safety regulations, may result in injury, sickness, death, and/or harm to property.

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