



# Fire Protection Products

## 3M™ Fire Barrier Tuck-In Wrap Strips

Technical Data Sheet

October / 2024

### Product Description

3M™ Fire Barrier Tuck-In Wrap Strips are designed to help prevent the passage of fire and smoke in new or existing non-metallic (e.g. plastic) pipe penetrations through wall or floor assemblies. 3M™ Fire Barrier Tuck-In Wrap Strips are engineered primarily for top-side firestop installations and help eliminate the need for retaining collars, concrete screws, ladders or most other material and equipment necessary for bottom-side installations. 3M™ Fire Barrier Tuck-In Wrap Strips come ready-to-install with an adhesive-backed closure label (excludes WS Roll). The wrap strips can be easily installed in both concrete floor and wall assemblies, as well as gypsum wallboard assemblies.

### Product Features

- Firestop tested for up to 3 hours in accordance with ASTM E814 (UL 1479)
- Top-side concrete floor installations help eliminate the need for steel retaining collars and most other bottom-side installation equipment and materials
- Adhesive-backed label for quick installation
- Ready-to-install wrap strip—precut to length for 3 in. (76 mm) and 4 in. (102 mm) non-metallic pipes
- Firestop up to 8 in. (203 mm) PVC pipe and PP-RCT (requires 2-layers using 3M™ Fire Barrier Tuck-In Wrap Strip WS Roll. Consult specific system listing for details of approved pipe sizes and materials.)

### Applications

3M™ Fire Barrier Tuck-In Wrap Strips are ideal for use when firestopping through penetrations in fire-rated concrete floor or wood floor/ceiling assemblies. The wrap strips also have the ability to be used within concrete and gypsum wallboard assemblies. Current non-metallic listed applications include PVC, ccPVC, RNC, PP-RCT and FRPP piping systems. Can be used in conjunction with 3M™ Fire Barrier Pillows (standard or self-locking) or 3M™ Fire Barrier Mortar to firestop large openings penetrated by non-metallic pipe).

### Specifications

To be used for penetrations through fire rated construction with non-metallic penetrating items. 3M™ Fire Barrier Tuck-In Wrap Strips provide through-penetration firestop systems when used in conjunction with 3M™ Fire Barrier Sealants (e.g. 3M™ Fire Barrier Sealant IC 15WB+, 3M™ Fire Barrier Sealant CP 25WB+, 3M™ Fire Barrier Water Tight Sealant 3000 WT)\*. When properly installed, these through-penetration firestops help resist the spread of fire, smoke and other gases and help maintain the original fire resistance rating of the construction assembly that has been penetrated. 3M™ Fire Barrier Tuck-In Wrap Strips shall be listed by independent test agencies such as UL, Intertek, or FM and shall be tested under the pass/fail requirements of ASTM E814 (UL 1479) Standard Test Method for Fire Tests of Penetration Firestop Systems. These through-penetration firestops

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meet the current requirements of the International Building Code (IBC) and National Fire Protection Association (NFPA 5000 and NFPA 101).

\* Consult specific system details for approved firestop sealants.

Performance and Typical Physical Properties	Color	Gray with Red Liner		
	Nominal Thickness	3/16 in. (5 mm)		
	Surface Burning Characteristics (ASTM E84)	Flame Spread:	0	
		Smoke Developed Index:	0	
	Intumescent Activation	Expansion sequence begins	392°F (200°C)	
		Significant expansion	437°F (225°C)	
		Multidirectional free expansion	100x Volume (average)	
Dimensions:				
WS300	2.5 in. x 11.5 in. x 0.1875 in. (6.35 cm x 2.92 cm x 0.5 cm)			
WS400	2.5 in. x 11.875 in. x 0.1875 in. (6.35 cm x 3.78 cm x 0.5 cm)			
WS Roll	2.5 in. x 98.4 in. x 0.1875 in. (6.35 cm x 25 cm x 0.5 cm)			
Installation Techniques	<b>Equipment:</b> 3M™ Fire Barrier Tuck-in Wrap Strip can be applied by hand entirely, without the need for additional hand tools or power tools.			
	<b>Preparatory Work:</b> The 3M™ Fire Barrier Wrap Strip should be sized appropriately for the penetrating item. The opening should be clean, dry, free of dust or debris. 3M™ Fire Barrier Wrap Strip WS Roll can be pre-cut to length (note: for a 6-inch pipe, wrap the roll around the pipe twice, mark the length and cut (approx. 44-1/4 in. +/- 1/4 in. (1.12 m +/- 6.4 mm)). 3M™ Fire Barrier Wrap Strip WS Roll can be secured around pipe by using glass-reinforced Scotch® Filament Tape, 3M Aluminum Foil Tape or similar.			
	<b>Installation Details:</b> Install the correct 3M™ Fire Barrier Tuck-In Wrap Strip and 3M™ Fire Barrier Sealant as detailed within the applicable UL, or other third-party, system for the assembly and required system rating(s).			
	<b>Limitations:</b> It is recommended that 3M™ Fire Barrier Tuck-in Wrap Strip is applied when the product is at a temperature between 40°F (4°C) and 110°F (43°C). It is recommended that 3M™ Fire Barrier Tuck-in Wrap Strip be applied when the ambient air temperature is 32°F (0°C) or higher. This product is not acceptable for use with chlorinated polyvinyl chloride (CPVC) pipes.			
Maintenance	No maintenance should be required when installed in accordance with the applicable independent test agency's listed system and 3M™ Fire Barrier Tuck-In Wrap Strip Installation Guide. Once installed, if any portion of the 3M™ Fire Barrier Tuck-In Wrap Strip is damaged, the entire damaged wrap strip should be removed and re-installed with a new 3M™ Fire Barrier Tuck-In Wrap Strip and new 3M™ Fire Barrier Sealant as detailed within the applicable Listed System.			
Storage and Shelf Life	3M™ Fire Barrier Tuck-In Wrap Strips should be stored indoors in dry conditions.			

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The shelf life for 3M™ Fire Barrier Tuck-In Wrap Strips is indefinite when stored in original unopened packaging indoors in dry conditions above 40F (4C) and below 100F (38C). It is recommended that the product remains in heated storage above 40F (4C) prior to installing material.

Lot numbering (e.g. C132493176): First two characters = Manufacturing identification, third character = last digit of the manufactured year, fourth to sixth digits = Julian Date, last four digits = secondary production information. (C132493176 = manufactured at C1, on September 6, 2023 using material from batch 3176)

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### 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](http://3M.com/firestop).

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### Safe Handling

Consult Safety Data Sheet prior to handling and disposing of 3M™ Fire Barrier Tuck-in Wrap Strip.

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### Technical Information

The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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### Product 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. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

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### Warranty, Limited Remedy and Disclaimer

Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price.

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### Limitation of Liability

Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability



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