



FIRE Retardants Inc.™

The Decision You Make May Save A Life!

123 Columbia Court North • Suite 201 • Chaska, MN 55318

952-448-7377 • FAX: 952-448-2613

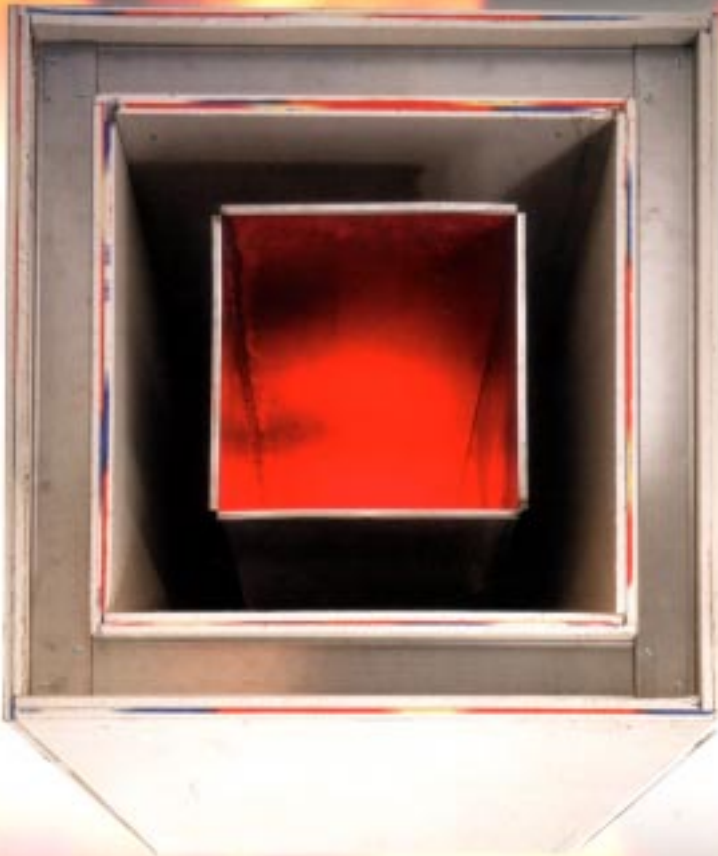
Fire Retardant "HOT LINE" 1-800-913-9385

e-mail: info@fireretardantsinc.com

Visit Our Web Site at www.fireretardantsinc.com

3M

Fire Barrier Wrap Products



Thinking outside
the box...



Less work, weight,
and space for the
protection you need.

*“Works with you,
not against you.”*

Bob Campbell, Insulator, 19 years



Now the contractor, architect, and facility owner can “think outside the box” when it comes to fire protection for commercial kitchen grease ducts and other applications. The new 3M™ Fire Barrier Wrap line is the innovative alternative to the time, labor, weight, and bulk of gypsum wall board shafts; and the bulk and stiffness of other wrapping systems. Contractors, such as those quoted here, report easy installation. Architects have expanded design options. Building owners and inspectors have the confidence of meeting codes with a tested system (UL1978 and AC101). In the words of insulator Bob Campbell, 3M Fire Barrier Wrap products “work with you, not against you.” And “you” can mean everyone concerned with duct fire protection.



“Cuts and lays down much easier. Excellent flexibility. Don't have to massage or beat it into place.”

Joe Pietruszewski,
Insulator, 15 years



“Has to save time cutting and applying it. Even long pieces conform to the duct and don't slip down.”

Bob Campbell,
Insulator, 19 years

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3M™ Fire Barrier Duct Wrap 15A and 20A, Duct Wrap Collar 20A, and Plenum Wrap 5A



Key Benefits:

- Passes the rigors of internal grease duct tire tests UL1978 and AC101.
- Zero clearance to combustibles at overlap or collar for compact low profile that saves space in tight areas.
- High flexibility for easy installation.
- Foil encapsulated with unique center overlap seam for blanket strength, protection, and less dust.
- Safer fiber construction* for contractor peace of mind.

* Has been demonstrated to be soluble in the lungs according to EU guidelines 67/548/EWG, Note Q for biopersistence.

This non-asbestos fire resistance wrap is a patented inorganic blanket encapsulated with scrim-reinforced foil. The result is an extremely flexible wrap with high strength. Insulation properties protect combustible construction at zero clearance at overlap or collar, providing an alternative to a 2-hour rated fire resistance shaft enclosure.

3M Fire Barrier Duct Wrap 15A and 20A

Thickness choice of 1.5" (15A) and 2" (20A) for single and double wrapping in a **variety of applications:** commercial kitchen grease ducts, air ventilation and chemical exhaust ducts, stair pressurization ducts, hazardous exhaust ducts, trash and linen chutes. 15A is **the thinnest standard** one layer wrap for grease ducts rated as a shaft alternative per UL1978. Roll widths of 2' or 4' in 20' long rolls.

M Fire Barrier Duct Wrap Collar 20A

2" thick by 6" wide collar for wrapping butted seams of 20A or 15A duct wrap.

3M Fire Barrier Plenum Wrap 5A

Provides a flexible non-combustible enclosure for **cables and pipe in return air plenums** as tested to UL9 10. Use with single or multiple 1" and larger plastic pipes and cables including PVC, CPVC, PB, PE, PP, PVDF, and ABS. No offgassing during fire exposure. 1/2" by 2' or 4' widths in 25' or 50' long rolls.

See back cover for technical details on the full line.



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Availability				
Product	Unit	Size	Units/ctn.	Wt./ctn.
3M Fire Barrier Duct Wrap 15A	Roll	1.5" x 24" x 20' (38mm x 60.9cm x 609.6cm)	1	53 lbs. 24 kg
3M Fire Barrier Duct Wrap 15A	Roll	1.5" x 48" x 20' (38mm x 121.9cm x 609.6cm)	1	106 lbs. 48 kg
3M Fire Barrier Duct Wrap 20A	Roll	2" x 24" x 20' (50mm x 60.9cm x 609.6cm)	1	70 lbs. 31 kg
3M Fire Barrier Duct Wrap 20A	Roll	2" x 48" x 20' (50mm x 121.9cm x 609.6cm)	1	140 lbs. 63 kg
3M Fire Barrier Duct Wrap 20A Collar	Roll	2" x 6" x 20' (50mm x 152cm x 609.6cm)	4	70 lbs. 31 kg
3M Fire Barrier Plenum Wrap 5A	Roll	.5" x 24" x 50' (12.7mm x 60.9cm x 1524cm)	1	45 lbs. 20 kg
3M Fire Barrier Plenum Wrap 5A	Roll	.5" x 48" x 25' (12.7mm x 121.9cm x 762cm)	2	90 lbs. 40 kg

Performance Characteristics

Test	15A	20A	5A
ASTM C 411	•	•	•
ASTM C 518	•	•	•
ASTM E 84	•	•	•
ASTM E 119	•	•	•
ASTM E 136	•	•	•
ASTM E 814	•	•	•
ICBO ES AC 101 Internal		•	
UL 197B (secs. 12 and 13)	•		
UL 910			•

Surface Burning Characteristics (ASTM E 84 All products)

	Flame Spread	Smoke Developed
Foil Encapsulated Blanket	0	0
Blanket	0	0

Grease Duct Listings for 15A and 20A

Fire Resistive Rating	Enclosure System	Omega Point Lab. Design Nos. Duct System Through Penetration System	
15A			
1 or 2 hours	1 layer of 3M Fire Barrier Duct Wrap 15A, 3" (76 mm) perimeter and longitudinal overlaps	GD 532 F	FS 557 F FS 558 F FS 559 F FS 560 F FS 561 F FS 562 F FS 563 F
20A			
1 or 2 hours	2 layers of 3M Fire Barrier Duct Wrap 20A, 3" (76 mm) perimeter and longitudinal	GD 531 F	FS 557 F FS 558 F FS 559 F FS 560 F FS 562 F FS 563 F

Air Duct Listings

Fire Resistive Rating	Enclosure System	Omega Point Lab. Design Nos. Duct System Through Penetration System	
1 or 2 hours	2 layers of 3M Fire Barrier Duct Wrap 15A, 3" (76 mm) perimeter and longitudinal overlaps	VAD 529 F VAD 530 F VAD 531 F	FS 565 F FS 566 F FS 567 F FS 568 F FS 569 F FS 570 F FS 571 F FS 572 F FS 573 F FS 574 F

Plenum Wrap Listings

Enclosure System	Omega Point Lab. Design Nos. Plenum Protection System
1 layer of 3M Fire Barrier Plenum Wrap 5A, 1" (25mm) perimeter and longitudinal overlaps	PP 100 F PP 101 F

Code Compliance

- NFPA 96, 1998 Edition
- NFPA 90A, 1999 Edition
- Uniform Mechanical Code Section 507.6
- Uniform Building Code Section 711
- International Mechanical Code Section 506.3.11

This is only a partial list of code compliance. Go to 3m.com/firestop or speak to your authorized 3M distributor or sales representative at 1-800-328-1687.

Warranty and Limited Remedy. This product will be free from defects in material and manufacture for a period of ninety (90) days from date of purchase. 3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is proved to be defective within the warranty period stated above, your exclusive remedy and 3M's obligation, at 3M's option, to replace or repair the 3M product or refund the purchase price of the 3M product. **Limitation of Liability.** Except where prohibited by law, 3M will not be liable for any loss or damage arising from a 3M product, whether direct indirect special, incidental, or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

3M

Specified Construction
Products



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