

3M Fire Protection Products  
Fire Barrier Duct Wraps

Light  
Flexible

Meets tougher fire test  
standards



A key objective in advancing innovation for fire rated duct wrap is to attain less thermal transfer (more fire resistance) in a lighter product. 3M has developed 3M™ Fire Barrier Duct Wrap 615+ to be the only fire rated duct wrap product you'll need to help protect both grease ducts and air ducts, in an easy to install format (lightweight, flexible) while passing the necessary fire tests to achieve two hour fire resistance requirements.

[www.3M.com/ductwrap](http://www.3M.com/ductwrap)

**3M**



# 615+

3M Fire Barrier Duct Wrap  
so flexible & lightweight,  
it's no wonder

3M has shaped  
the fire protection industry.



Introducing a new, lighter weight duct wrap –  
**3M™ Fire Barrier Duct Wrap 615+.**

## Because we know where you're coming from.

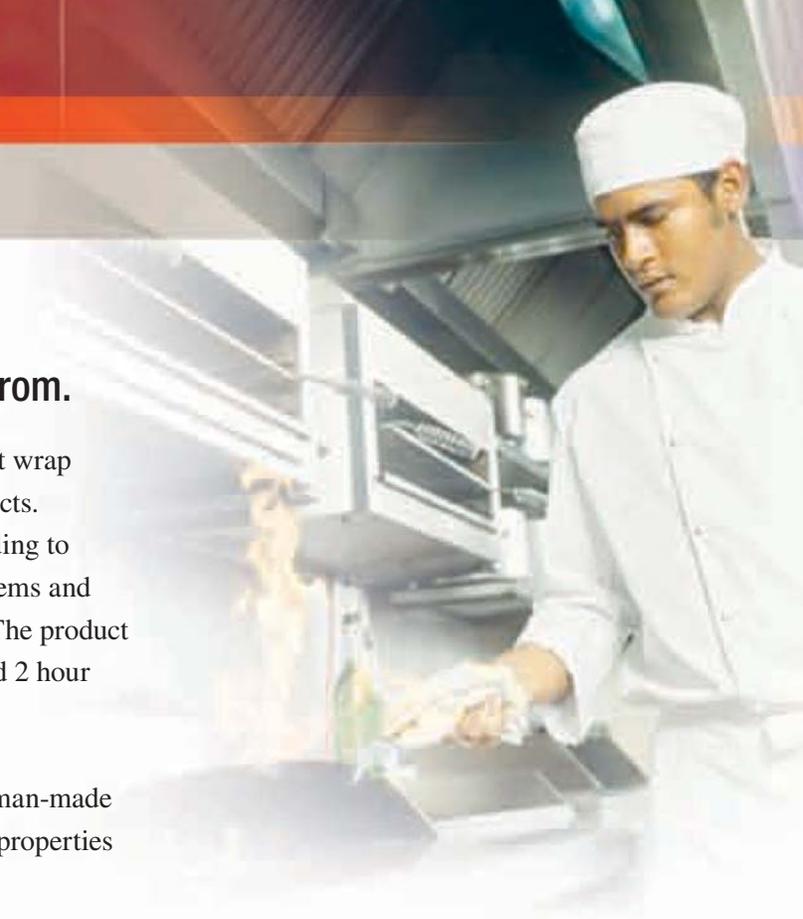
3M Fire Barrier Duct Wrap 615+ is the only fire rated duct wrap you need for code required protection of grease and air ducts. Now, in a lighter weight, 6pcf density, it is certified according to ASTM E2336 (grease duct test standard) in two layer systems and ISO 6944 (air duct test standard) in single layer systems. The product is certified with both UL and Intertek (OPL) and has 1 and 2 hour design listings.

3M Fire Barrier Duct Wrap 615+ is manufactured with a man-made vitreous spun fiber, which allows for low thermal transfer properties in a lightweight, low profile, easy to apply product.

### Features and Advantages

- Lightweight (6 lbs per cu ft) and thin (1.5" \*) for easier application
- 2 hour fire protection
- Third party certified to ASTM E2336 (grease ducts test standard) and ISO 6944 (air duct test standard)
- Supports maximum temperatures of up to 2192°F (1200°C)
- Apply in 2 layers for grease ducts
- Apply in 1 layer for air ducts

\* In accordance with the tolerances in ASTM C 892 Standard Specification for High-Temperature Fiber Blanket Thermal Insulation



### Kitchen Exhaust Ducts

615+ is approved for use on kitchen exhaust ducts, per ASTM E2336 providing 1 and 2 hour protection with a 2-layer system.



3M™ Fire Barrier  
Duct Wrap 615+

### Stair Pressurization and Life Safety Ventilation Ducts

615+ is tested to ISO 6944 and can be used on stair pressurization ducts and other life safety air ducts, providing 2 hour protection with a 1 layer system.



**3M™ Fire Barrier Plenum Wrap 5A**  
**Wrap plastic pipes in plenum areas more easily.**

Inorganic blanket encapsulated with a scrim-reinforced foil. This wrap provides a flexible, non-combustible enclosure for pipes in return air plenums.

**Features and Advantages**

- Tested to ASTM 84, NFPA 252 (UL 910), and UL 1887
- Strong, lightweight and flexible material for easy installation
- Foil encapsulated scrim

3M™ Fire Barrier Plenum Wrap 5A



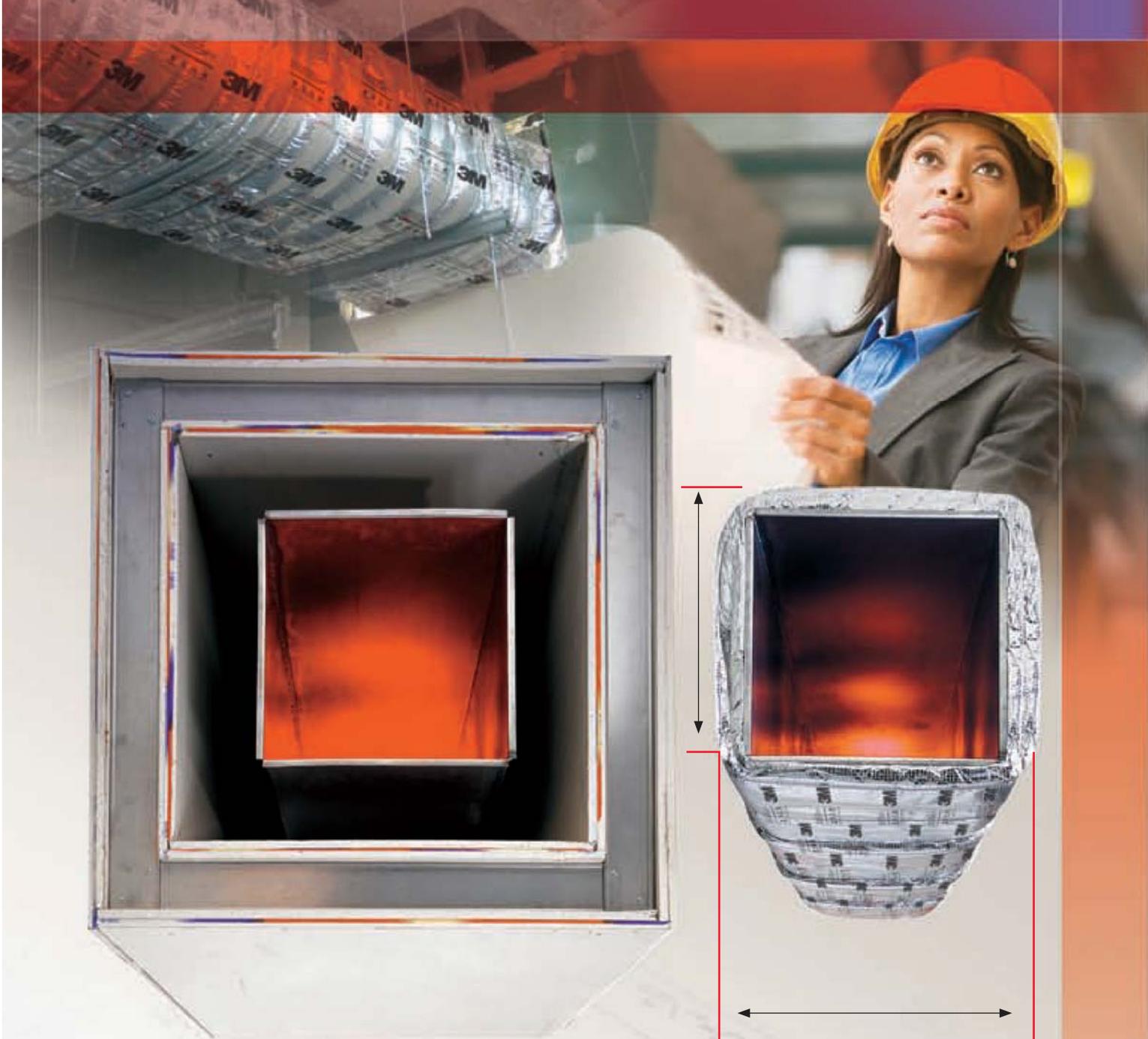
**Plastic Pipe in Plenum Areas**  
 3M Fire Barrier Plenum Wrap 5A meets test criteria for use on plastic pipes located in plenum areas.

**Plenum Wrap Listings for 5A**

Enclosure System	Design Listing Number, Intertek (OPL)	Protected Item	Testing
1 layer of 3M™ Fire Barrier Plenum Wrap 5A, 1" (25mm) perimeter and longitudinal overlaps	3MU/FRD 120-16 (PP 100 P)	Plastic Pipe: PVC, CPVC, ABS, PB, PE, PP and PVDF	UL 1887
	3MU/FRD 120-17 (PP 101 P)	Cabling with PVC, CPVC, ABS, PB, PE, PP and PVDF jacketing	NFPA 252 (UL 910)
	3MU/BI 120-01	Plastic Pipe: PVC, CPVC, ABS, PB, PE, PP and PVDF	ASTM E84

**Surface Burning Characteristics (ASTM E 84 for 5A)**

Product	Flame Spread	Smoke Developed
Foil Encapsulated Blanket	0	0
Blanket	0	0
Foil Encapsulated Blanket around plastic pipes	0	45 (modified E84)



*Traditional bulky protection with gypsum wall shaft*

*3M's space-saving fire barrier wrap*

We think  
outside the box,  
so you don't have to.

## Grease Duct Listings for 615+

Fire Resistive Rating	Enclosure System	Duct System, Intertek (OPL)	Testing
615+			
1 or 2 hours	2 layers of 3M™ Fire Barrier Duct Wrap 615+, 3" (76mm) perimeter and 3" (76mm) longitudinal overlaps	3MU/FRD 120-18 3MU/FRD 120-19	ASTM E 2336 / ICC ES AC101

## Surface Burning Characteristics (ASTM E 84 for 615+)

Product	Flame Spread	Smoke Developed
Fire Barrier Duct Wrap 615+	<25	<50

## Codes & Standards for 615+, Air Duct

Standards for the Installation of Air Condition and Ventilating Systems, 2009 Ed.

NFPA 92A Standard for Smoke-Control System Utilizing Barriers and Pressure Differences, 2006 Edition — Section 6.6.2

NFPA 92B Standard for Smoke Management Systems in Malls, Atria, and Large Spaces, 2005 Edition — Section 7.5.2

NFPA 101® Life Safety Code®, 2006 Edition — Section(s) 8.6.7, 18.7.7

International Mechanical Code®, 2006 Edition — Section 513.10.2

International Building Code®, 2006 Edition — Section 909.10.2

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

## Availability

Product	Roll Size	Roll/ctn.	Roll
3M™ Fire Barrier Duct Wrap 615+	*1.5" x 24" x 25' (38mm x 60.9cm x 762cm)	1	45 lbs. 20 kg.
3M™ Fire Barrier Duct Wrap 615+	*1.5" x 48" x 25' (38mm x 121.9cm x 762cm)	1	90 lbs. 40 kg.
3M™ Fire Barrier Plenum Wrap 5A	.5" x 24" x 50' (38mm x 121.9cm x 1524cm)	1	45 lbs. 20 kg.
3M™ Fire Barrier Plenum Wrap 5A	.5" x 48" x 25' (12.7mm x 121.9cm x 762cm)	2	90 lbs. 40 kg.

3M's Grease, Chemical Fume and Ventilation Air Duct listings all have affiliated Through-Penetration design listings that comply with ASTM E 814. Go to 3M.com/firestop or speak to your authorized 3M distributor or sales representative at 1-800-328-1687 for more information.

\* In accordance with the tolerances in ASTM C 892 Standard Specification for High-Temperature Fiber Blanket Thermal Insulation

Product	Product Number	Description	Roll Size	UPC Number	Packaging		Price Unit
					Per Case	Per Pallet	
3M™ Fire Barrier Duct Wrap 615+	615+	3M™ Fire Barrier Duct Wrap 615+ for grease and air duct protection	24" W x 25' L	000-51115-18799-5	1	4	Roll
3M™ Fire Barrier Duct Wrap 615+	615+	3M™ Fire Barrier Duct Wrap 615+ for grease and air duct protection	48" W x 25' L	000-51115-18800-8	1	2	Roll
3M™ Fire Barrier Plenum Wrap 5A	5A	3M™ Fire Barrier Plenum Wrap 5A for plastic pipe protection	24" W x 50' L	000-51115-16513-9	1	8	Roll
3M™ Fire Barrier Plenum Wrap 5A	5A	3M™ Fire Barrier Plenum Wrap 5A for plastic pipe protection	48" W x 25' L	000-51115-16574-6	1	8	Roll



BATTS AND BLANKETS  
FOR USE IN FIRE RESISTIVE DUCT  
ASSEMBLIES SEE UL FIRE RESISTANCE  
DIRECTORY 9069



LISTED  
DUCT  
INSULATION  
9069



FIRESTOP SYSTEMS  
SEE INTERTEK DIRECTORY



FIRESTOP SYSTEMS  
SEE INTERTEK DIRECTORY



## Building and Commercial Services Division

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98-0213-4600-6 (99.5)ji

## Ventilation Air Duct Listings for 615+ (tested to ISO 6944)

Fire Resistive Rating	Enclosure System	Duct System	Through-Penetration System	Listing Agency
1 or 2 hours	1 layer of 3M™ Fire Barrier Duct Wrap 615+, 3" (76mm) perimeter and longitudinal overlaps	V-27	W-L-7180, W-J-7104 F-C-7054	UL
		3MU/FRD-120-15	3MU/PH 60-03, 3MU/PV 120-23, 3MU/PV 120-25	Intertek (OPL)

*This is only a partial list of systems that use Duct Wrap 615+. For complete information visit www.3M.com/firestop.*

## Codes & Standards for 615+, Grease Duct

NFPA 96, 2008 Edition

NFPA 96, 2004 Edition

NFPA 90A, 2002 Edition

Uniform Mechanical Code, 2006 Edition, Section 507.2.4

International Mechanical Code®, 2003 Edition, Section 506.3.10

International Mechanical Code®, 2006 Edition, Section 506.3.10

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## 3M™ Fire Barrier Duct Wrap Applications

	Product	
	615+	5A
Grease Duct	•	
Ventilation Air Duct	•	
Life Safety Duct (Stair Pressurization, Smoke, Exhaust, etc.)	•	
Plenum Applications		•

Note:  
Consult individual project plans for which codes and standards apply.

## 3M™ Fire Barrier Duct Wrap Performance Characteristics

Test	Product	
	615+	5A
ASTM C 518	•	•
ASTM C 1338	•	•
ASTM E 84	•	•
ASTM E 119	•	
ASTM E 136	•	•
ASTM E 814	•	
ASTM E 2336	•	
NFPA 252 (UL 910)		•
UL 1887		•
ISO 6944	•	

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