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
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

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.

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 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

Plenum Wrap Listings for 5A

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

Surface Burning Characteristics (ASTM E 84 for 5A)

<table>
<thead>
<tr>
<th>Product</th>
<th>Flame Spread</th>
<th>Smoke Developed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foil Encapsulated Blanket</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Blanket</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Foil Encapsulated Blanket around plastic pipes</td>
<td>0</td>
<td>45 (modified E84)</td>
</tr>
</tbody>
</table>

Plastic Pipe in Plenum Areas

3M Fire Barrier Plenum Wrap 5A meets test criteria for use on plastic pipes located in plenum areas.
We think outside the box, so you don’t have to.

Traditional bulky protection with gypsum wall shaft

3M’s space-saving fire barrier wrap
Grease Duct Listings for 615+

<table>
<thead>
<tr>
<th>Fire Resistive Rating</th>
<th>Enclosure System</th>
<th>Duct System, InterTek (OPL)</th>
<th>Testing</th>
</tr>
</thead>
<tbody>
<tr>
<td>615+</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 or 2 hours</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2 layers of 3M™ Fire Barrier Duct Wrap 615+, 3&quot; (76mm) perimeter and 3&quot; (76mm) longitudinal overlaps</td>
<td>3MU/FRD 120-18</td>
<td>ASTM E 2336 / ICC ES AC101</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Surface Burning Characteristics (ASTM E 84 for 615+)

<table>
<thead>
<tr>
<th>Product</th>
<th>Flame Spread</th>
<th>Smoke Developed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire Barrier Duct Wrap 615+</td>
<td>&lt;25</td>
<td>&lt;50</td>
</tr>
</tbody>
</table>

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) 6.6.7, 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.

3M™ Fire Barrier Duct Wrap Applications

3M™ Fire Barrier Duct Wrap Performance Characteristics

Product | Roll Size | Roll/ cn. | 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 24" x 25" (38mm x 60.9cm x 762cm) | 1 | 90 lbs. 40 kg. |
3M™ Fire Barrier Plenum Wrap 5A | 5" x 24" x 50" (127mm x 610cm x 1219cm) | 1 | 45 lbs. 20 kg. |
3M™ Fire Barrier Plenum Wrap 5A | 5" x 24" x 50" (127mm x 610cm x 1219cm) | 2 | 90 lbs. 40 kg. |

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

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