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3M Fire Protection Products  
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RESEARCH REPORT: 25775  
(CSI #07815)

Attn: Mark Lund, P.E.  
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Expires: April 1, 2012  
Issued Date: April 1, 2010  
Code: 2008 LABC

**GENERAL APPROVAL** - Renewal - 3M Fire Barrier Duct Wrap, 615 blanket for Fire Resistive Ventilation Duct, Enclosure Assemblies.

## DETAILS

3M™ Fire Barrier Duct Wrap 615 is a fire resistant wrap consisting of an inorganic blanket encapsulated with a scrim-reinforced foil. It is intended for installation on air duct systems in lieu of fire rated shaft enclosures. This mold resistant \*\*\*, non-asbestos wraps contain a safer fiber construction\* and install easily because of its high flexibility and strength. 3M Fire Barrier 1000 N/S, 1003 S/L and 2000+ Silicone Sealants used in combination 3M Fire Barrier Duct Wrap 615 provide an effective firestop when the duct penetrates fire rated walls and floors.

\*Has been demonstrated to be soluble in the lungs according to EU guidelines 97/69/EC  
\*\*ASTM C 1338 "Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings".

Fire Barrier Duct Wrap 615 is listed with Intertek Testing Services, Inc. (formerly Omega Point Laboratories) and Underwriters Laboratories, Inc. (UL). The material is 1-1/2 "thick and available in 24" and 48 "widths. For 1 or 2 Hour protection of either horizontal or vertical ducts, 1-layer of material are required. Fasten the wrap to the duct with insulation pins or stainless steel banding. The applicable Intertek & UL Design Listing are:

RR 25775  
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RE: 3M Fire Barrier Duct Wrap 615 blanker for Fire Resistive Ventilation Duct  
Enclosure Assemblies

3MU/FRD 120-15	
3MU/FRD 60-01	(VAD 534 F)
3MU/FRD 60-02	(VAD 535F)
3MU/FRD 60-03	(VAD 536 F)
3MU/FRD 60-04	(VAD 543 F)
3MU/FRD 60-05	(VAD 544 F)
3MU/FRD 60-06	(VAD 545 F)
3MU/FRD 120-01	(VAD 529 F)
3MU/FRD 120-02	(VAD 530 F)
3MU/FRD 120-03	(VAD 531 F)
3MU/FRD 120-04	(VAD 542 F)

V-27

**This approval is subject to the following conditions:**

1. Fire-resistive materials shall be delivered to the job site in sealed containers identified by the products name and by the Intertek (Omega Point Laboratories) and Underwriters Laboratories (UL) marks.
2. The applied thickness of the fire-resistive material shall be verified as outlined in the manufacturer's "Product Data and Installation Instructions"
3. Application of the fire-resistive material shall be in accordance with the manufacturer's instructions and Intertek Designs and/or UL Listings, a copy of which shall be available at the job site
4. Where ducts penetrate through fire-resistive assemblies firestop in accordance with an ASTM E 814 through penetration firestop design. The applicable Intertek Design Nos. (formerly Omega Point Laboratories) and Underwriters Laboratories (UL) Listings include, but are not limited to:

3MU/PH 60-01	(FS 557 W)
3MU/PH 60-03	
3MU/PV 60-03	
3MU/PV 60-01	(FS 558 F)
3MU/PH 120-14	(FS 559 W)
3MU/PV 120-03	(FS 560 F)
3MU/PV 120-04	(FS 561 F)
3MU/PH 120-16	(FS 563 W)
3MU/PH 120-20	(FS 572 W)
3MU/PH 120-29	(FS 579 W)
3MU/PH 120-23	
3MU/PH 120-24	
3MU/PH 120-25	

3M Fire Protection Products

RE: 3M Fire Barrier Duct Wrap 615 blanker for Fire Resistive Ventilation Duct  
Enclosure Assemblies

3MU/PH 120-26

W-L-7180

W-J-7104

5. Horizontal and vertical duct support members are not required to be wrapped when the support system consists of a minimum 3/8" diameter steel all-thread rod and 2" x 2" x 1/4" thick steel support angles spaced maximum 60" on-center.

#### **DISCUSSION**

The approval is based on tests in accordance with ISO 6944 and ASTM E 814 (using the ASTM E - 119 time- temperature curve.

This general approval of an equivalent alternate to the Code is only valid where an engineer and/or inspector of this Department has determined that all conditions of this Approval have been met in the project in which it is to be used.

Addressee to whom this Research Report is issued is responsible for providing copies of it, complete with any attachments indicated, to architects, engineer and builders using items approved herein in design or construction which must be approved by Department of Building and Safety Engineers and Inspectors.

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