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3M Fire Protection Products
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Attention: Samantha Peterson
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RESEARCH REPORT: RR 26061-T
(CSI # 23 07 00)

Expires: October 1, 2019
Issued Date: May 1, 2018
Code: 2017 LABC

GENERAL APPROVAL – Renewal and Clerical Modification – 3M Fire Barrier Duct Wrap 615+ for Fire-Resistive Ventilation Ducts

DETAILS

The 3M™ Duct Wrap 615+ product is a nominal 1.5 in. thick, 6 pcf density product comprised of calcium-, silica-, magnesium-oxide (CSM) fiber blanket with a scrim reinforced foil. It is intended for installation on air duct systems in lieu of fire-rated shaft enclosures.

The Duct Wrap 615+ product has been demonstrated to comply with ASTM 1338 – Standard Test Method for Determining Fungi Resistance of Insulation Materials and Facings.

3M™ Fire Barrier Duct Wrap 615+ is listed with Intertek Testing Services, Inc. and Underwriters Laboratories, Inc. The material is available in 24 in. and 48in. widths. 1-layer of material is required on horizontal or vertical ducts for 1 or 2 hour protection. The duct wrap shall be installed around the duct with the perimeter joints overlapped minimum 3 in. The wrap is fastened to the duct with insulation pins or stainless steel banding. The applicable Intertek & UL Design Listings are:

3MU/FRD 60-01	(VAD 534)
3MU/FRD 120-01	(VAD 529)
HNLJ.V-27	
HNLJ.V-31	

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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 and Underwriters Laboratories (UL) marks.
2. The applied thickness of the fire-resistive material shall be verified as outlined in the manufacturers "Product Data and Installation Instructions".
3. Installation and 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. The integrity of Fire Barrier Duct Wrap 615+ systems is limited to the quality of the installation.
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. and Underwriters Laboratories (UL) Listings include, but are not limited to:

3MU/DI 60-01
3MU/DI 120-01
W-L-7180
W-J-7104
F-C-7054

DISCUSSION

This approval will remain in effect on a temporary basis until testing is completed per ASTM E2816 – Standard Test Methods for Fire Resistive Metallic HVAC Duct Systems. The approval will remain in effect for the period of 1 year from the time of issuance.

The report is in compliance with the 2017 Los Angeles City Building Code.

The approval is based on tests in accordance with ASTM E84-89, ASTM C518-98, ASTM E136-94, ASTM E814 (using ASTM E119 time – temperature curve) and ISO 6944.

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.

3M Fire Protection Products

RE: 3M Fire Barrier Duct Wrap 615+ Blanket for Fire Resistive Ventilation Ducts

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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