



## Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
(212) 566-5000, TTY: (212) 566-4769

Pursuant to Administrative Code Section 27-131, the following equipment or material has been found acceptable for use subject to the terms and conditions contained herein.

### MEA 499-06-M

**Manufacturer:** Unifrax Corporation, 2351 Whirlpool Street,  
Niagara Falls, NY 14305

**Trade Name(s):** FyreWrap EZ 1.5 Duct Insulation

**Product:** Listed fire-resistance enclosure for HVAC shaft  
and duct, one-hour and two-hour rated

**Pertinent Code Section(s):** RS13-1, Subchapter 13, 27-133

**Prescribed Test(s):** RS 5-2 (ASTM E119), RS 5-19 (ASTM E814, UL 1479)

**Laboratory:** Intertek Testing Services (formerly Omega Point  
Laboratories)

**Test Report(s):** Intertek Testing Services (formerly OPL), Test  
Report Nos. 16201-118891, 3087289-VAD  
Project No. 3114735 PCOR1, dated April 9, 2007.

**Description:** FyreWrap EZ 1.5 Duct Insulation, foil scrim encapsulated blanket insulation material installed to achieve a fire resistance enclosure from combustible construction with zero clearance in accordance with Intertek testing on minimum 26-gauge HVAC ducts with a maximum 1296-square-inch area and a 54-inch width (maximum dimension 24 inches x 54 inches). The insulation material is minimum 1-1/2" thick, 6 pcf density, and is to be applied on HVAC ducts in a single layer over the entire length of the duct assembly to achieve the required fire resistance rating. Steel hangers used to support the duct assembly in accordance with New York City Building Code do not need to be protected with FyreWrap EZ 1.5 Duct Insulation. The duct penetration through floor or walls shall be protected at each floor level or wall opening with the Unifrax FyreWrap EZ 1.5 Duct Insulation system. (Intertek Testing Services, Design Listing UNI/FRD 120-15, Design No. FS610F, UNI/FRD 120-16, Design No. FS611F) has an F and T rating equal to that of the floor or wall assembly being penetrated.

**Terms and Conditions:** The above-described material is accepted, in lieu of required fire-rated enclosure per 27-344, with the following conditions:

1. Duct assembly shall have a maximum of 1296-square-inch area and a 54-inch width (maximum dimension 24 inches x 54 inches).
2. The duct reinforcement shall extend 6 inches above and below the floor/ceiling and 6 inches beyond thickness of wall to equate to a 16-gauge wall thickness.
3. Smoke dampers and fire dampers requirement within the ventilation duct shall comply with RS 13-1 regulations.
4. Material shall be installed as per manufacturer's instructions and Listed laboratory recommendations, for a 2-hour and 1-hour fire-resistance enclosure.
5. New York City Building Code Reference Standard RS13-1 defines "DUCT COVERING – Duct covering includes materials such as adhesive, insulation, banding, coating(s), film and jacket used to cover the outside surface of a duct, fan or duct plenum".
6. All shipments and deliveries of such material shall be provided with a label, suitably placed, certifying that the material shipped or delivered is equivalent to that tested and accepted for use, as provided for in Section 27-131 of the New York City Building Code.

Note: In accordance with Section 27-131(d), all materials tested and accepted for use shall be subject to periodic retesting as determined by the Commissioner; and any material which upon retesting is found not to comply with Code requirements or the requirements set forth in the approval of the Commissioner shall cease to be acceptable for the use intended. During the period for such retesting, the Commissioner may require the use of such material to be restricted or discontinued if necessary to secure safety.

Final Acceptance July 13, 2007

Examined By Seem Derbhadan