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Report of Materials and Equipment Acceptance Division

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 48-97-M Vol.2

Manufacturer: Thermal Ceramics, P. O. Box 923, Augusta, GA 30903

Trade Name(s): Pyroscat FP

Product: Listed Fire Resistance Enclosure For Grease Duct, 2 Hours Rated

Pertinent Code Section(s): RS 13-3

Prescribed Test(s): RS 5-2 (ASTM E119); RS 5-19 (ASTM E814, UL 1978)

Laboratory: Underwriters Laboratories Inc., Omega Point Laboratories

Test Report(s): UL File R9242 dated November 14, 1995, and Omega, Project No. 15606-100608/100645 dated October 29, 1996

Description: Pyroscat FP is a noncombustible ceramic fiber blanket made from a high quality calcined Kaolin. The product is composed of long, high strength flexible filaments needled into a tight blanket. The blanket is totally encapsulated. The Pyrocat FP blanket insulation material, is applied over metal grease ducts acceptable to the Building Code to achieve a fire resistance enclosure from combustible construction with zero clearance. The material is 1-1/2 inches thick and is to be applied in two layers over the entire length of the duct assembly in achieving the required fire resistance rating. Steel hangers in accordance with Code used to support the grease duct assembly, shall also be protected with the Pyroscat FP Wrap material. The duct penetration through walls shall be protected at each floor level opening Firestop system (Underwriters Laboratories System) having an F and T rating equal to that of the floor or wall assembly being penetrated. They shall be applied according to U.L. System No. C-A-J 7018, as illustrated on Page 3.

Terms and Conditions: The above-described material is accepted on condition that:

1. Provided that the blanket insulation used, should be totally encapsulated form, when installed following manufacturer's instructions and listing laboratory recommendations, for a 2-hour fire resistance enclosure: "The grease duct and enclosure system shall not pass through interior walls or partitions having a fire resistance requirement exceeding 2 hours."
2. The installation of the grease duct assembly and fire resistance enclosure must also be in accordance with Reference Standard RS 13-3 (NFPA 96) of the New York City Building Code.
3. All shipments and deliveries of such equipment shall be provided with a metal tag, suitably placed, certifying that the equipment shipped or delivered is equivalent to those tested and accepted for use, as provided for in Section 27-131 of the Building Code.

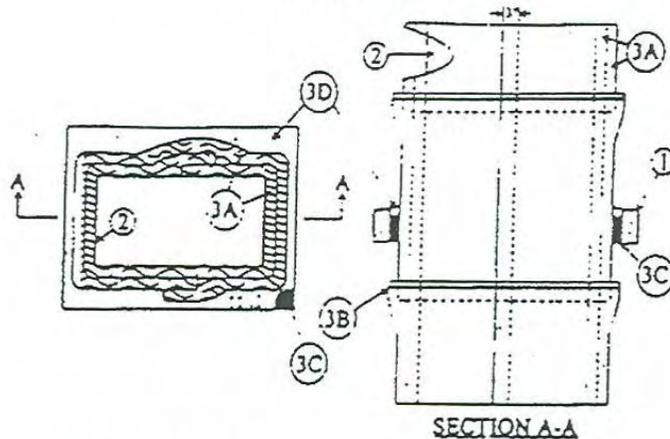
Final Acceptance July 13, 2006
Examined By Simon Derkhuson

THROUGH-PENETRATION FIRESTOP SYSTEMS (XHEZ)—Continued

System No. CAJ7018

F Rating—2 Hr

T Rating—2 Hr



1. Floor or Wall Assembly—Min 4-1/2 in. thick reinforced lightweight or normal weight (100-150 pcf) concrete floor or min 5-1/2 in thick reinforced lightweight or normal weight concrete wall. Wall may also be constructed of any UL Classified Concrete Blocks*. Max area of opening is 1792 sq in. with max dimension of 50 in.
See "Concrete Blocks" (CAZT) category in the Fire Resistance Directory for names of manufacturers.
2. Through-Penetration—One steel air duct or steel grease duct to be installed within the firestop system. Through-penetrant to be rigidly supported on both sides of floor or wall assembly. The following types of through-penetrants may be used:
 - A. Steel Air Duct—Nom 24 by 48 in. (or smaller) No. 20 gauge (or heavier) steel air duct.
 - B. Steel Grease Duct—Nom 24 by 48 in. (or smaller) No. 20 gauge (or heavier) steel grease duct.
3. Firestop System—The firestop system shall consist of the following:
 - A. Duct Wrap Materials*—Nom 1-1/2 in thick blanket, unfaced or faced on one or both sides with a foil facing, supplied in max 48 in. wide rolls.
The steel duct shall be wrapped with two layers of duct wrap. Each layer of duct wrap shall be installed in accordance with the manufacturer's installation instructions, maintaining min 3 in. transverse and longitudinal overlaps. The exposed edges of the blankets are taped with 4 in. wide pressure-sensitive aluminum foil tape.
Premier Refractories and Chemicals, Inc.—Pyroscat FP Duct Wrap
 - B. Steel Banding Straps—3/4 in. wide by 0.015 in. thick Type 304 stainless steel banding straps used in conjunction with 3/4 in. wide by 1 in. long Type 304 stainless steel crimp clips. Banding straps spaced a max 10-1/2 in. OC (for 24 in. wide material) or max 11-1/4 in. OC (for 48 in. wide material) and 1-1/2 in. from perimeter joint on outer layer of duct wrap.
 - C. Packing Materials*—Min 3-1/2 in. thickness of unfaced duct wrap firmly packed within the opening to fill the annular space between the wrapped air duct and periphery of opening. Unfaced blanket to be recessed from top surface of floor or from both surfaces of wall as required to accommodate the required thickness of putty (Item 3D).
 - D. Fill, Void or Cavity Material*—Putty—Min 1 in. thickness of putty applied within annulus, flush with top surface of floor and with both surfaces of wall. Additional putty to be installed such that a min 1/2 in. crown is formed around the wrapped duct and lapping 1/2 in. crown is formed around the wrapped duct and lapping 1/2 in. beyond the periphery of the opening.
Nelson Firestop Products—FSP Putty

*Bearing the UL Classification Marking