



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 409-02-M Vol. 3

Manufacturer – A/D Fire Protection Systems, 420 Tapscott Road, Scarborough Ontario M1B1Y4; A/D Fire Protection Systems, 233 Duke Street, Louisa, VA 23093; and Southwest Vermiculite Co. Inc., 5119 Edith Blvd. NE, Albuquerque, NM 87197

Trade Name (s) – Southwest Fireproofing, Type 5GP, Type 5EF, Type 5MD, Type 7 GP & Type 7HD.

Product – Cementitious Fireproofing

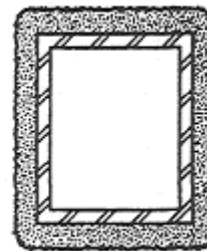
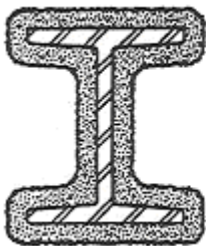
Pertinent Code Section(s) – 27-323, 27-324

Prescribe Test(s) – ASTM E119 (UL 263)

Laboratory _ Underwriters Laboratories Inc.

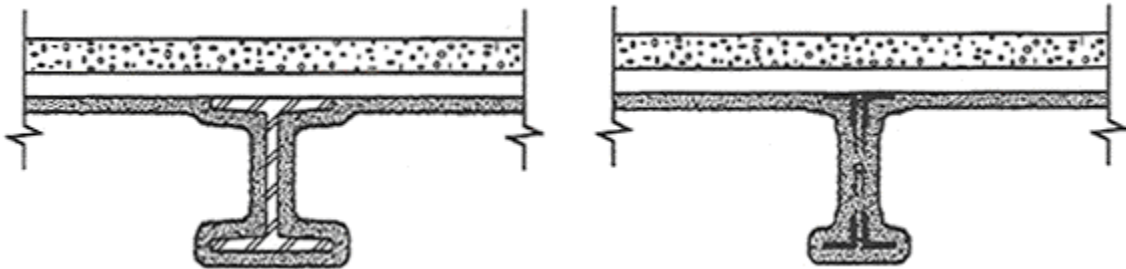
Test Reports – UL File R8213 dated March 29, 2000, June 12, 2000, April 5, 2001, February 4, 2003 and June 6, 2003. Letter Report dated August 23, 2005.

Description – Columns and Roof Ceiling assemblies as per the Fire Resistive Designs listed below utilizing Southwest Fireproofing Type 5GP, 5EF, 5MD, 7GP or 7HD cementitious fire protection material, spray-applied to the required thickness for the fire resistance rating of $\frac{3}{4}$, 1, 1 $\frac{1}{2}$, 2, 3, or 4 hours and in accordance with the Underwriters Laboratories Inc. Design Numbers listed below:



Column Design Numbers:

- X527 for Fire Resistance Ratings of 2, 3 and 4 hours,**
- X701 for Fire Resistance Ratings of 1, 1 ½, 2, 3 and 4 hours.**
- X704 for Fire Resistance Ratings of 2, 3 and 4 hours.**
- X722 for Fire Resistance Ratings of 1, 2, and 3 hours.**
- X723 for Fire Resistance Ratings of 1, 2, 3 and 4 hours.**
- X751 for Fire Resistance Ratings of 1, 1 ½, 2, and 3 hours.**
- X752 for Fire Resistance Ratings of 1, 1 ½, 2, 3 and 4 hours.**
- X771 for Fire Resistance Ratings of ¾, 1, 1 ½, 2, 3 and 4 hours.**
- X772 for Fire Resistance Ratings of 1, 1 ½, 2, 3 and 4 hours.**
- and Y725 for Fire Resistance Ratings of 1, 1 ½, 2, 3 and 4 hours.**



Roof-Ceiling Design Numbers:

- P675 for Fire Resistance Ratings of 1,**
- P676 for Fire Resistance Ratings of 1 ½, and 2,**
- P701 for Fire Resistance Ratings of ¾, 1, 1 ½, and 2 hours,**
- P708 for Fire Resistance Ratings of 1, 1 ½, and 2 hours,**
- P709 for Fire Resistance Ratings of 1, 1 ½, and 2 hours,**
- P710 for Fire Resistance Ratings of ¾, and 1 hour,**
- P711 for Fire Resistance Ratings of 1, 1 ½, and 2 hours,**
- P714 for Fire Resistance Ratings of 1, 1 ½, and 2 hours,**
- P717 for Fire Resistance Ratings of 1, 1 ½, and 2 hours,**
- P741 for Fire Resistance Ratings of 1, 1 ½, and 2 hours,**
- P901 for Fire Resistance Ratings of 1, 1 ½, and 2 hours,**
- P902 for Fire Resistance Ratings of 1, 1 ½, and 2 hours,**
- P907 for Fire Resistance Ratings of 1, 1 ½, and 2 hours,**
- P908 for Fire Resistance Ratings of 1, 1 ½, and 2 hours,**
- P919 for Fire Resistance Ratings of 1, and 1 ½ hours,**
- P920 for Fire Resistance Ratings of 1, 1 ½, and 2 hours,**
- P921 for Fire Resistance Ratings of 1, 1 ½, and 2 hours,**
- and P923 for Fire Resistance Ratings of 1, 1 ½, and 2 hours.**

Terms and Conditions:

Recommendation - That the above described column and roof-ceiling assemblies be accepted as having the fire resistance rating of four hours maximum, provided that the following requirements for application and protection of the sprayed-on fireproofing be adhered to:

1. Surfaces to receive sprayed-on fireproofing shall be cleared of dirt, grease, oil, loose scale, paint, and any extraneous material immediately prior to application of the fireproofing.
2. The finished fireproofing shall be sprayed to a uniform thickness, which shall not be less than the minimum thickness specified. Fireproofing may be finish trowled to required thickness and densities.
3. Density of the sprayed-on fireproofing shall be verified by removing a minimum of three 6-inch square sections, randomly selected from the building and determining the density in accordance with ASTM E 605, Standard Test Method for Thickness and Density of Sprayed Fire-Resistive Material (SFRM) Applied to Structural Members.
4. The general contractor and the owner shall provide qualified personnel to supervise the application of the sprayed-on fireproofing. They shall certify to the Department of Buildings that the finished fireproofing of the completed building is in full compliance with the acceptance requirements and drawings approved by the Department of Buildings.
5. When the lower flange of a beam or the bottom plane of the ceiling assembly construction is less than 9 feet clear above the floor below, all sprayed surfaces shall be permanently protected by a suspended ceiling, or by other means such as mesh screening so as to prevent damage to or displacement of the fireproofing.
6. The material used for protection of sprayed-on fireproofing shall be adequate for its purpose and shall be approved by the Department of Buildings.
7. The installation of the sprayed-on fireproofing shall be subject to the controlled inspection requirements of Section 27-132.
8. The use of this material shall be subject to all pertinent regulations of the Department of Air Resources and the Department of Health.
9. All shipments and deliveries of the materials comprising these assemblies shall be accompanied by a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and are acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance April 25, 2006
Examined by Sun Derphudam