



## Report of Materials and Equipment Acceptance Division

NYC Department of Buildings  
280 Broadway, New York, NY 10007  
Patricia Lancaster, FAIA, Commissioner  
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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 56-04-M Vol.2

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 7GP & Type 7HD.

Product – Cementitious Fireproofing

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

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

Laboratory – Underwriters Laboratories Inc.

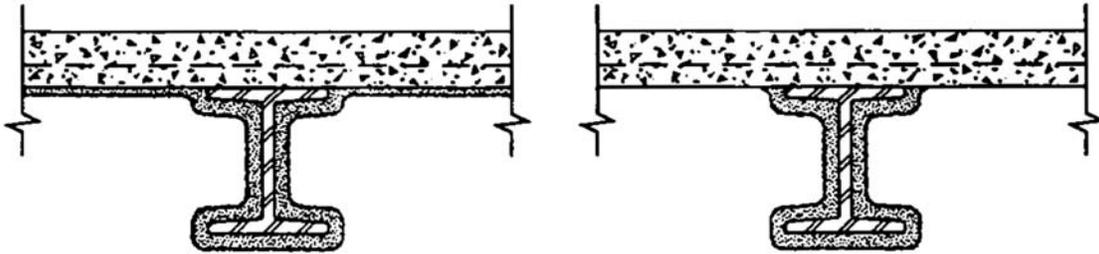
Test Reports – UL File R8213 dated March 29, 2000, June 12, 2000, April 5, 2001, February 4, 2003, and June 6, 2003. January 10, 2005 Report under Project 04NK08798 and January 7, 2005 Report Project 03NK26141.

Description – Beam and Floor-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 ratings of ½, ¾, 1, 1 ½, 2, 3, or 4 hours and in accordance with the Underwriters Laboratories Inc. Design Numbers listed below:



**Beam Design Numbers:**

N401 for Fire Resistance Rating of 4 hours,  
N404 for Fire Resistance Rating of 3 hours,  
N706 for Fire Resistance Ratings of 1, 1½, 2, 3, and 4 hours,  
N708 for Fire Resistance Ratings of 1, 1½, 2, 3, and 4 hours,  
N732 for Fire Resistance Ratings of 1, 1½, and 2 hours,  
N736 for Fire Resistance Ratings of 1, 1½, 2, 3, and 4 hours,  
N754 for Fire Resistance Ratings of 1, 1½, and 2 hours,  
N756 for Fire Resistance Rating of 3, hours,  
N791 for Fire Resistance Ratings of 1, 1 ½, 2, 2 ½, 3, 3 ½, and 4 hours,  
S701 for Fire Resistance Ratings of 1, 1½, 2, 3, and 4 hours,  
S702 for Fire Resistance Ratings of 1, 1½, and 2 hours,  
S715 for Fire Resistance Ratings of 1, 1½, 2, and 3 hours,  
and S739 for Fire Resistance Ratings of 1, 1 ½, 2, and 3 hours



**Floor-Ceiling Design Numbers:**

A702 for Fire Resistance Rating of 3 hours,  
D701 for Fire Resistance Rating of 3 hours,  
D703 for Fire Resistance Ratings of 1, 1½, 2 and 3 hours,  
D704 for Fire Resistance Ratings of 1½ and 2 hours,  
D705 for Fire Resistance Ratings of 1½ and 2 hours,  
D706 for Fire Resistance Ratings of 1½ and 2 hours,  
D708 for Fire Resistance Ratings of 1½ and 3 hours,  
D709 for Fire Resistance Ratings of 2 and 3 hours,  
D710 for Fire Resistance Ratings of 1 and 2 hours,  
D711 for Fire Resistance Rating of 2 hours,

D712 for Fire Resistance Ratings of 1, 1½ and 2 hours,  
D715 for Fire Resistance Ratings of 2 and 3 hours,  
D716 for Fire Resistance Ratings of 1½ and 2 hours,  
D722 for Fire Resistance Ratings of 1, 1½ and 2 hours,  
D723 for Fire Resistance Rating of 2 hours,  
D725 for Fire Resistance Ratings of 1 and 2 hours,  
D726 for Fire Resistance Ratings of 1 and 2 hours,  
D727 for Fire Resistance Rating of 2 hours,  
D728 for Fire Resistance Rating of 4 hours,  
D729 for Fire Resistance Ratings of 1 and 2 hours,  
D730 for Fire Resistance Ratings of 1½ and 2 hours,  
D739 for Fire Resistance Ratings of 1, 1½, 2, 3 and 4 hours,  
D740 for Fire Resistance Ratings of 1 and 2 hours,  
D742 for Fire Resistance Ratings of ½, 2 and 3 hours,  
D743 for Fire Resistance Ratings of 1, 1½, 2 and 3 hours,  
D744 for Fire Resistance Ratings of 1, 1½, 2, 3 and 4 hours,  
D745 for Fire Resistance Ratings of 1, 1½ and 2 hours,  
D746 for Fire Resistance Ratings of 2 and 3 hours,  
D747 for Fire Resistance Ratings of 1½ and 2 hours,  
D748 for Fire Resistance Ratings of 1½, 2 and 3 hours,  
D750 for Fire Resistance Ratings of 1½ and 2 hours,  
D751 for Fire Resistance Ratings of 1, 1½, 2 and 3 hours,  
D752 for Fire Resistance Ratings of 1, 1½ and 2 hours,  
D753 for Fire Resistance Ratings of 1½, 2 and 3 hours,

D754 for Fire Resistance Ratings of 1½, 2, 3 and 4 hours,  
D756 for Fire Resistance Ratings of 1½ and 2 hours,  
D758 for Fire Resistance Ratings of 1 and 2 hours.  
D905 for Fire Resistance Rating 1½ hours,  
D907 for Fire Resistance Rating of 2 hours,  
D909 for Fire Resistance Rating of 1 hour,  
D910 for Fire Resistance Ratings of 1½, 2 and 3 hours,  
D916 for Fire Resistance Ratings of ¾, 1, 1½, 2 and 3 hours,  
D917 for Fire Resistance Ratings of ¾, 1½, 2 and 3 hours,  
G701 for Fire Resistance Ratings of 1, 1½, 2 and 3 hours,  
G702 for Fire Resistance Ratings of 1, 1½, 2 and 3 hours,  
G703 for Fire Resistance Ratings of 1, 1½, 2 and 3 hours,  
J701 for Fire Resistance Ratings of 1 and 2 hours,  
J704 for Fire Resistance Ratings of 2, 3 and 4 hours,  
J705 for Fire Resistance Ratings of 2, 3 and 4 hours,  
J706 for Fire Resistance Ratings of 2, 3 and 4 hours,  
J709 for Fire Resistance Ratings of 1, 1½, 2 and 3 hours,  
J919 for Fire Resistance Ratings of 2, 3 and 4 hours,  
J957 for Fire Resistance Ratings of 1, 2 and 3 hours,  
and J966 for Fire Resistance Ratings 2, 3 and 4 hours.

## Terms and Conditions:

Recommendation – That the above described beam and floor-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 26, 2006

Examined Simon Derkshdam