



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 473-04-M Vol. II

Manufacturer: International Paint LLC., 6001 Antoine Drive, Houston Texas 77091.

Trade Name(s): Chartek 8.

Product: Intumescent fire resistance fire protection, for class II Buildings.

Pertinent Code Section(s): 27-323, 27-324.

Prescribed Test(s): RS 5-5 (ASTM E084), RS 5-2 (ASTM E119).

Laboratory: Underwriters Laboratories Inc, VTEC Laboratories Inc.

Test Report(s): UL file R7471, Project 04NK12743 and 03NK29252-ASTM E 119, UL R 19114/99NK20911 ASTM E 84, UL Design no. X663 dated January 28, 2005, VTEC #100-2091-6 dated March 28, 2005.

Description: A high performance, high build, solvent free, reinforced epoxy intumescent fire resistant coating. Density of Chartek 8 is 1.05g/cc (65.56lb./cu.ft.) Chartek 8 can be applied with conventional airless spray, pump or towel is designed to fireproofing of steel column in Design No. X663.

The Type Chartek 8 is classified by UL for exterior use with 50 microns (dry) of Interthane 990 top coat.

Flame spread and smoke rating (Chartek 8)
Flame spread – 25
Smoke developed – 300

Design No. X663

January 28, 2005

Ratings — 1, 1-1/2 and 2 Hr. (See Item 2)



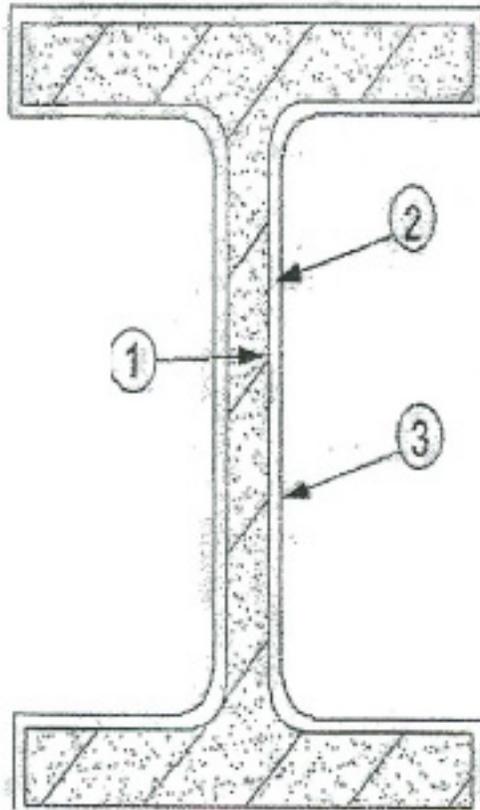
1. **Steel Column** — Wide flange steel columns with the minimum sizes shown in the table below. The column surfaces shall be free of dirt, loose scale and oil and then primed with epoxy based primer to an approximate dry film thickness of 50 microns.

2. **Mastic and Intumescent Coatings*** — Two component spray materials applied in one or more coats as described in the application instructions to the thicknesses shown below. Thicknesses below include the 50 microns of primer.

Steel Column Size	Column, Hp/A	Mtl Thickness, Microns	Rating, Hr
W10 x 49	159	2470	1
W10 x 49	159	5690	1-1/2
W14 x 159	76	4420	2
W14 x 426	31	1980	2

INTERNATIONAL COATINGS LTD — Type Chartek 8. Investigated for exterior use.

3. **Top Coat** — Two component polyurethane topcoat Type Interthane 990 applied at a dry film thickness of 50 microns.



Terms and Conditions: The above described assemblies be accepted for Class II Buildings only, as having the fire resistance ratings given above, when members framing into the columns have at least the same fire resistance rating, provided that the following requirements for application and protection of the mastic coating fireproofing be adhered to:

1. Where used for protection of floor ceiling and/or assemblies in roof/ceiling in fireproof buildings each such assembly shall bear an identifying tag installed at each beam. Subject tag shall be of metal construction mechanically attached to such beams and shall state the following: "this beam has been fireproofed with MEA approved Type Chartek 8 with Type Interthane 990 top-coat finish and such finish shall not be removed" nor any subsequent coating shall be applied other than TYPE Chartek 8 Interthane 990 top-coat.
2. 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.
3. The installation of the sprayed on fire protection shall be subject to the controlled inspection requirements of Section 27-132.
4. The use of this material shall be subject to all pertinent regulations of the Department of Air Resources and the Department of Health.
5. All installations shall comply with 118-68 GR, the New York City Building Code, the Fire Department Directives, the manufacturer's instructions and laboratory recommendation.
6. All shipments and deliveries of the materials comprising this assembly shall be accompanied by a certificate or label certifying that the materials shipped or delivered are equivalent to those tested and acceptable for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance November 2, 2005

Examined By Simon Derphudam