



NYC Department of Buildings
280 Broadway, New York, NY 10007
Patricia Lancaster, FAIA, Commissioner
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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 246-06-M

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

Trade Name(s): Intertchar 212

Product: Intumescent fire resistance fire protection, for
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.

Test Report(s): UL File R7471, Project 04NK12743 and
03NK29252-ASTM E119, UL R
19114/99NK20911 ASTM E 84, UL Design no.
X664- dated November 10, 2005, VTEC #100-
2091-6-3 dated March 24, 2005

Description – A high performance, high build, solvent free, reinforced epoxy intumesce fire resistant coating. Density of interchar 212 is 1.05g/cc (65.56lb./cu.ft.) Interchar 212 can be applied with conventional airless spray; pump or towel is designed to fireproofing of steel column in Design No. X664.

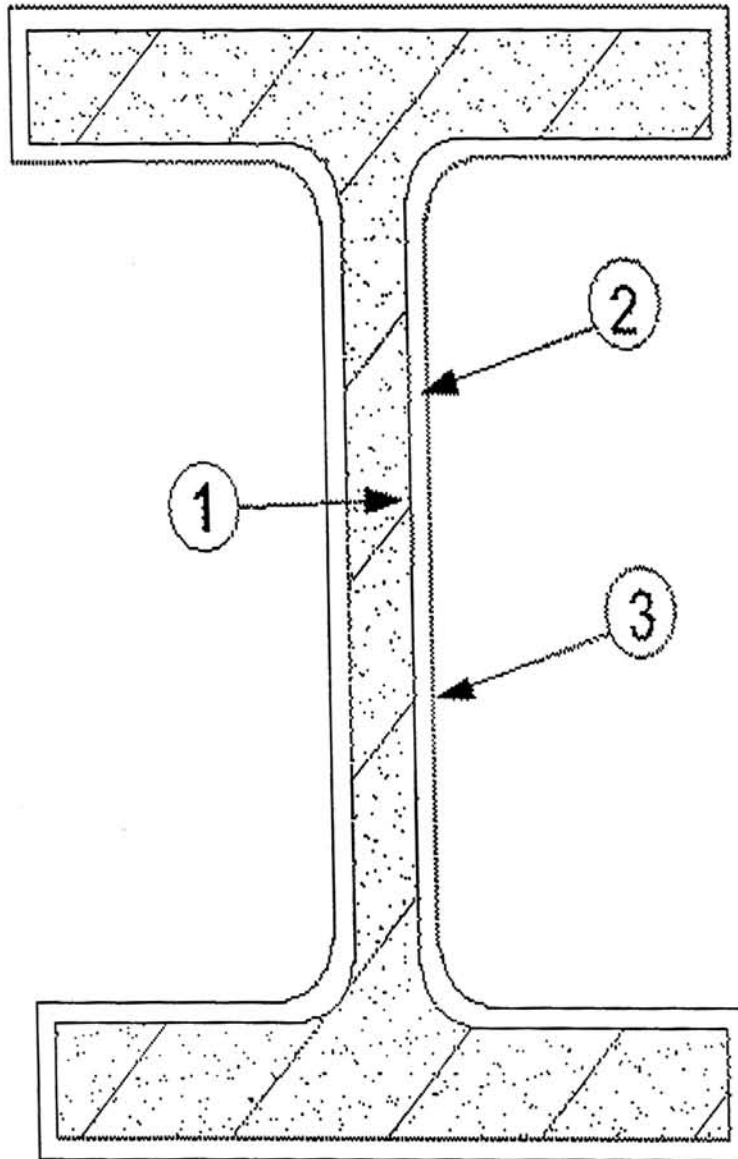
The type Chartek 8 is classified by UL for exterior use with 50 microns (dry) of Interthane 990 top coat.

Flame spread and smoke rating (Interchar 212)
Flame spread-25
Smoke developed-300

Design No. X664

November 10, 2005

Ratings — 1, 1-1/2, 2 and 3 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 primers 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		1 Hour Rating	1-1/2 Hour Rating	2 Hour Rating	3 Hour Rating
Size	W/D	Min Thkns (in.)	Min Thkns (in.)	Min Thkns (in.)	Min Thkns (in.)
W6x16	0.58	0.132	0.288	0.422	NR
W8x24	0.59	0.132	0.286	0.418	NR
W10x26	0.61	0.132	0.281	0.412	NR
W14x34	0.63	0.132	0.277	0.405	NR
W10x33	0.66	0.132	0.270	0.396	NR
W8x31	0.66	0.132	0.270	0.396	NR
W21x44	0.67	0.132	0.268	0.393	NR
W16x40	0.68	0.132	0.266	0.390	NR
W18x40	0.68	0.132	0.266	0.390	NR
W8x28	0.68	0.132	0.266	0.390	NR
W6x25	0.69	0.132	0.264	0.387	NR
W10x30	0.70	0.132	0.262	0.384	NR
W12x35	0.70	0.132	0.262	0.384	NR
W14x38	0.70	0.132	0.262	0.384	NR
W12x40	0.74	0.132	0.254	0.372	NR
W8x35	0.74	0.132	0.254	0.372	NR
W14x43	0.75	0.132	0.253	0.370	NR
W24x55	0.75	0.132	0.253	0.370	NR
W16x45	0.76	0.132	0.251	0.367	NR
W21x50	0.76	0.132	0.251	0.367	NR
W18x50	0.77	0.132	0.249	0.364	NR
W10x39	0.78	0.132	0.247	0.362	NR
W18x46	0.78	0.132	0.247	0.362	NR
W12x45	0.82	0.129	0.240	0.352	NR
W14x48	0.83	0.128	0.239	0.349	NR
W24x68	0.83	0.128	0.239	0.349	NR
W10x49	0.84	0.095	0.224	0.347	NR
W16x50	0.84	0.095	0.224	0.347	NR
W24x62	0.84	0.095	0.224	0.347	NR
W8x40	0.84	0.095	0.224	0.347	0.567
W12x53	0.85	0.095	0.224	0.345	0.563
W18x55	0.85	0.095	0.224	0.345	0.563
W21x57	0.85	0.095	0.224	0.345	0.563
W21x62	0.85	0.095	0.224	0.345	0.563

W10x45	0.89	0.095	0.224	0.336	0.549
W12x50	0.91	0.095	0.224	0.331	0.541
W14x53	0.91	0.095	0.224	0.331	0.541
W10x54	0.92	0.095	0.224	0.329	0.538
W12x65	0.92	0.095	0.224	0.329	0.538
W14x61	0.92	0.095	0.224	0.329	0.538
W18x60	0.92	0.095	0.224	0.329	0.538
W21x68	0.92	0.095	0.224	0.329	0.538
W27x84	0.92	0.095	0.224	0.329	0.538
W12x58	0.93	0.095	0.224	0.327	0.534
W16x67	0.93	0.095	0.224	0.327	0.534
W24x76	0.93	0.095	0.224	0.327	0.534
W16x57	0.95	0.095	0.224	0.323	0.528
W18x76	0.96	0.095	0.224	0.321	0.524
W18x65	0.99	0.095	0.224	0.315	0.515
W21x73	0.99	0.095	0.224	0.315	0.515
W30x99	1.00	0.095	0.224	0.313	0.511
W8x48	1.00	0.095	0.224	0.313	0.511
W10x60	1.02	0.095	0.224	0.309	0.505
W12x72	1.02	0.095	0.224	0.309	0.505
W24x84	1.02	0.095	0.224	0.309	0.505
W27x94	1.02	0.095	0.224	0.309	0.505
W14x68	1.03	0.095	0.224	0.307	0.502
W16x77	1.06	0.095	0.224	0.302	0.493
W14x90	1.07	0.095	0.224	0.300	0.490
W24x104	1.07	0.095	0.224	0.300	0.490
W18x71	1.08	0.095	0.224	0.298	0.488
W18x86	1.08	0.095	0.224	0.298	0.488
W33x118	1.08	0.095	0.224	0.298	0.488
W30x108	1.09	0.095	0.224	0.297	0.485
W12x79	1.11	0.095	0.224	0.293	0.479
W14x74	1.11	0.095	0.224	0.293	0.479
W27x102	1.11	0.095	0.224	0.293	0.479
W21x101	1.12	0.095	0.224	0.291	0.476
W21x83	1.12	0.095	0.224	0.291	0.476
W24x94	1.13	0.095	0.224	0.290	0.474
W10x68	1.14	0.095	0.224	0.288	0.471

W30x116	1.16	0.095	0.224	0.285	0.466
W36x135	1.16	0.095	0.224	0.285	0.466
W14x99	1.17	0.095	0.224	0.283	0.463
W33x130	1.18	0.095	0.224	0.282	0.461
W8x58	1.19	0.095	0.224	0.280	0.458
W24x117	1.20	0.095	0.224	0.279	0.456
W18x97	1.21	0.095	0.224	0.277	0.453
W12x87	1.22	0.095	0.224	0.276	0.451
W14x82	1.22	0.095	0.224	0.276	0.451
W16x89	1.22	0.095	0.224	0.276	0.451
W21x111	1.23	0.095	0.224	0.274	0.448
W27x114	1.23	0.095	0.224	0.274	0.448
W21x93	1.24	0.095	0.224	0.273	0.446
W30x124	1.24	0.095	0.224	0.273	0.446
W10x77	1.28	0.095	0.224	0.267	0.436
W14x109	1.28	0.095	0.224	0.267	0.436
W33x141	1.28	0.095	0.224	0.267	0.436
W36x150	1.28	0.095	0.224	0.267	0.436
W30x132	1.31	0.095	0.224	0.263	0.430
W18x106	1.32	0.095	0.224	0.262	0.427
W24x131	1.33	0.095	0.224	0.260	0.425
W12x96	1.34	0.095	0.224	0.259	0.423
W21x122	1.34	0.095	0.224	0.259	0.423
W27x146	1.35	0.095	0.224	0.258	0.421
W16x100	1.36	0.095	0.224	0.256	0.419
W36x160	1.36	0.095	0.224	0.256	0.419
W8x67	1.36	0.095	0.224	0.256	0.419
W33x152	1.37	0.095	0.224	0.255	0.417
W14x120	1.40	0.095	0.224	0.251	0.411
W36x170	1.44	0.095	0.224	0.246	0.403
W10x88	1.45	0.095	0.224	0.245	0.401
W21x132	1.45	0.095	0.224	0.245	0.401
W12x106	1.46	0.095	0.224	0.244	0.399
W30x173	1.46	0.095	0.224	0.244	0.399
W18x119	1.47	0.095	0.224	0.243	0.397
W24x146	1.48	0.095	0.224	0.242	0.395
W27x161	1.48	0.095	0.224	0.242	0.395

W14x132	1.54	0.095	0.224	0.235	0.384
W36x182	1.54	0.095	0.224	0.235	0.384
W33x201	1.58	0.095	0.224	0.231	0.377
W21x147	1.60	0.095	0.224	0.229	0.374
W30x191	1.60	0.095	0.224	0.229	0.374
W10x100	1.63	0.095	0.224	0.226	0.369
W14x145	1.63	0.095	0.224	0.226	0.369
W24x162	1.63	0.095	0.224	0.226	0.369
W27x178	1.63	0.095	0.224	0.226	0.369
W36x194	1.63	0.095	0.224	0.226	0.369
W12x120	1.64	0.095	0.224	0.225	0.367
W36x230	1.71	0.095	0.218	0.218	0.356
W33x221	1.72	0.095	0.217	0.217	0.355
W30x211	1.76	0.095	0.213	0.213	0.349
W36x210	1.76	0.095	0.213	0.213	0.349
W14x159	1.77	0.095	0.174	0.174	0.347
W10x112	1.81	0.095	0.174	0.174	0.347
W36x245	1.82	0.095	0.174	0.174	0.347
W12x136	1.84	0.095	0.174	0.174	0.347
W33x241	1.88	0.095	0.174	0.174	0.347
W36x260	1.92	0.095	0.174	0.174	0.347
W14x176	1.95	0.095	0.174	0.174	0.347
W12x152	2.04	0.095	0.174	0.174	0.347
W36x280	2.06	0.095	0.174	0.174	0.347
W14x193	2.12	0.095	0.174	0.174	0.347
W36x300	2.19	0.095	0.174	0.174	0.347
W12x170	2.26	0.095	0.174	0.174	0.347
W14x211	2.30	0.095	0.174	0.174	0.347
W12x190	2.49	0.095	0.174	0.174	0.347
W14x233	2.52	0.095	0.174	0.174	0.347

NR = No Rating

Steel		1 Hour Rating	1-1/2 Hour Rating	2 Hour Rating	3 Hour Rating
Size	Hp/A	Min. Thkns (micron)	Min. Thkns (micron)	Min. Thkns (micron)	Min. Thkns (micron)
W6x16	231	3353	7317	10715	NR
W8x24	227	3353	7257	10627	NR

W10x26	220	3353	7139	10455	NR
W14x34	213	3353	7026	10289	NR
W10x33	203	3353	6862	10049	NR
W8x31	203	3353	6862	10049	NR
W21x44	200	3353	6809	9972	NR
W16x40	197	3353	6757	9895	NR
W18x40	197	3353	6757	9895	NR
W8x28	197	3353	6757	9895	NR
W6x25	194	3353	6706	9820	NR
W10x30	191	3353	6655	9746	NR
W12x35	191	3353	6655	9746	NR
W14x38	191	3353	6655	9746	NR
W12x40	181	3353	6461	9461	NR
W8x35	181	3353	6461	9461	NR
W14x43	179	3353	6414	9392	NR
W24x55	179	3353	6414	9392	NR
W16x45	176	3353	6368	9325	NR
W21x50	176	3353	6368	9325	NR
W18x50	174	3353	6322	9258	NR
W10x39	172	3353	6277	9192	NR
W18x46	172	3362	6277	9192	NR
W12x45	163	3269	6104	8938	NR
W14x48	161	3247	6062	8877	NR
W24x68	161	3247	6062	8877	NR
W10x49	160	2413	5690	8817	NR
W16x50	160	2413	5690	8817	NR
W24x62	160	2413	5690	8817	NR
W8x40	160	2413	5690	8817	14408
W12x53	158	2413	5690	8757	14311
W18x55	158	2413	5690	8757	14311
W21x57	158	2413	5690	8757	14311
W21x62	158	2413	5690	8757	14311
W10x45	151	2413	5690	8526	13934
W12x50	147	2413	5690	8415	13752
W14x53	147	2413	5690	8415	13752
W10x54	146	2413	5690	8361	13664
W12x65	146	2413	5690	8361	13664

W14x61	146	2413	5690	8361	13664
W18x60	146	2413	5690	8361	13664
W21x68	146	2413	5690	8361	13664
W27x84	146	2413	5690	8361	13664
W12x58	144	2413	5690	8307	13576
W16x67	144	2413	5690	8307	13576
W24x76	144	2413	5690	8307	13576
W16x57	141	2413	5690	8202	13404
W18x76	140	2413	5690	8150	13319
W18x65	135	2413	5690	7999	13072
W21x73	135	2413	5690	7999	13072
W30x99	134	2413	5690	7950	12992
W8x48	134	2413	5690	7950	12992
W10x60	131	2413	5690	7853	12834
W12x72	131	2413	5690	7853	12834
W24x84	131	2413	5690	7853	12834
W27x94	131	2413	5690	7853	12834
W14x68	130	2413	5690	7806	12757
W16x77	126	2413	5690	7667	12530
W14x90	125	2413	5690	7622	12456
W24x104	125	2413	5690	7622	12456
W18x71	124	2413	5690	7577	12383
W18x86	124	2413	5690	7577	12383
W33x118	124	2413	5690	7577	12383
W30x108	123	2413	5690	7533	12311
W12x79	121	2413	5690	7447	12170
W14x74	121	2413	5690	7447	12170
W27x102	121	2413	5690	7447	12170
W21x101	120	2413	5690	7404	12100
W21x83	120	2413	5690	7404	12100
W24x94	119	2413	5690	7362	12031
W10x68	118	2413	5690	7320	11963
W30x116	116	2413	5690	7238	11829
W36x135	116	2413	5690	7238	11829
W14x99	115	2413	5690	7198	11763
W33x130	114	2413	5690	7158	11698
W8x58	113	2413	5690	7119	11634

W24x117	112	2413	5690	7080	11570
W18x97	111	2413	5690	7041	11507
W12x87	110	2413	5690	7003	11445
W14x82	110	2413	5690	7003	11445
W16x89	110	2413	5690	7003	11445
W21x111	109	2413	5690	6966	11383
W27x114	109	2413	5690	6966	11383
W21x93	108	2413	5690	6928	11322
W30x124	108	2413	5690	6928	11322
W10x77	105	2413	5690	6783	11085
W14x109	105	2413	5690	6783	11085
W33x141	105	2413	5690	6783	11085
W36x150	105	2413	5690	6783	11085
W30x132	102	2413	5690	6678	10913
W18x106	102	2413	5690	6644	10857
W24x131	101	2413	5690	6610	10802
W12x96	100	2413	5690	6576	10747
W21x122	100	2413	5690	6576	10747
W27x146	99	2413	5690	6543	10693
W16x100	99	2413	5690	6510	10639
W36x160	99	2413	5690	6510	10639
W8x67	99	2413	5690	6510	10639
W33x152	98	2413	5690	6477	10586
W14x120	96	2413	5690	6382	10429
W36x170	93	2413	5690	6258	10227
W10x88	92	2413	5690	6228	10178
W21x132	92	2413	5690	6228	10178
W12x106	92	2413	5690	6198	10129
W30x173	92	2413	5690	6198	10129
W18x119	91	2413	5690	6169	10081
W24x146	91	2413	5690	6139	10033
W27x161	91	2413	5690	6139	10033
W14x132	87	2413	5690	5969	9755
W36x182	87	2413	5690	5969	9755
W33x201	85	2413	5690	5861	9579
W21x147	84	2413	5690	5809	9493
W30x191	84	2413	5690	5809	9493

W10x100	82	2413	5690	5731	9367
W14x145	82	2413	5690	5731	9367
W24x162	82	2413	5690	5731	9367
W27x178	82	2413	5690	5731	9367
W36x194	82	2413	5690	5731	9367
W12x120	82	2413	5690	5706	9325
W36x230	78	2413	5535	5535	9046
W33x221	78	2413	5512	5512	9007
W30x211	76	2413	5419	5419	8857
W36x210	76	2413	5419	5419	8857
W14x159	76	2413	4420	4420	8820
W10x112	74	2413	4420	4420	8820
W36x245	74	2413	4420	4420	8820
W12x136	73	2413	4420	4420	8820
W33x241	71	2413	4420	4420	8820
W36x260	70	2413	4420	4420	8820
W14x176	69	2413	4420	4420	8820
W12x152	66	2413	4420	4420	8820
W36x280	65	2413	4420	4420	8820
W14x193	63	2413	4420	4420	8820
W36x300	61	2413	4420	4420	8820
W12x170	59	2413	4420	4420	8820
W14x211	58	2413	4420	4420	8820
W12x190	54	2413	4420	4420	8820
W14x233	53	2413	4420	4420	8820

NR = No Rating

INTERNATIONAL PAINT LTD — Type Interchar 212. Investigated for exterior use.

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

*Bearing the UL Classification Mark

Terms and Condition- 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 adhere 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 Interchar 212 with Type Interthane 990 top-coat finish and such finish shall not be removed" nor any subsequent coating shall be applied other than TYPE Interthane 990 top-coat.
2. The general contractor and the owner shall provide qualified personnel to supervise the application of the sprayed-on 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 accepted for use, as provided for in Section 27-131 of the Building Code.

Final Acceptance May 31, 2006
Examined By Siun Derphudam