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**AD/IMF 90-01**  
**(Formerly AD/CA 90-02)**  
**Column Assemblies**  
**A/D Fire Protection Systems, Inc.**  
A/D FIREFILM® II, A/D FIREFILM® IIIC, A/D FIREFILM® III and A/D FIREFILM® A3  
Intumescent Coatings  
**ASTM E 119 (2000)**  
**See Table For Ratings**

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1. **HOLLOW RECTANGULAR, SQUARE OR CIRCULAR HSS STRUCTURAL STEEL COLUMN:** Use hollow steel sections, rectangular-shape, having nominal W/D section factors based on four sided exposure. Refer to the table below for

specific application thicknesses of intumescent mastic fireproofing (Item 3) based on nominal W/D section factors.

2. **PRIMER COATING:** Apply an approximate 2 mil dry film thickness of primer recommended by the certified intumescent mastic fireproofing

**07 80 00 Fire and Smoke Protection**  
**07 81 00 Applied Fireproofing**  
**07 81 23 Intumescent Mastic Fireproofing**

manufacturer, which is compatible with the intumescent mastic fireproofing (Item3), to the hollow rectangular structural steel column (Item 1).

MODEL: A/D FIREFILM® II, A/D FIREFILM® IIIC, A/D FIREFILM® III, and A/D FIREFILM® A3

Apply Intumescent Mastic Fireproofing per the manufacturer's installation instructions at the minimum dry film thickness specified in the table below.

3. CERTIFIED MANUFACTURER: A/D Fire Protection Systems, Inc.

CERTIFIED PRODUCT: Intumescent Mastic Fireproofing

Rating (Hours)	Column Designation	W/D	Minimum Dry Film Thickness	
			A/D FIREFILM® II, A/D FIREFILM® IIIC, A/D FIREFILM® III and A/D FIREFILM® A3 Intumescent Coatings	
			mils	mm
3/4	4" Ø x 0.188"	0.61	102	2.60
3/4	5" x 3" x 0.25"	0.76	130	3.30
3/4	8" x 6" x 0.313"	0.97	65	1.65
3/4	10" x 6" x 0.25"	0.80	45	1.15
3/4	10.75" Ø x 0.25"	0.83	45	1.15
1	5" x 3" x 0.313"	0.93	130	3.30
1	8" x 6" x 0.334"	1.14	62	1.57
1	12" x 8" x 0.425"	1.46	35	0.90
1	10.75" Ø x 0.51"	1.62	35	0.90
1	12" x 12" x 0.5"	1.58	45	1.14
1	10.75" Ø x 0.313"	1.03	111	2.81
1-1/2	10.75" Ø x 0.313"	1.03	130	3.30
1-1/2	12" x 12" x 0.50	1.58	95	2.41

4. FINISH COATING (Not Shown) – Apply an optional Silicone Alkyd paint

designated A/D COLORCOAT per the manufacturer's published specifications.