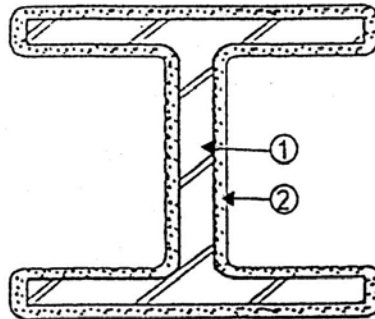


ITS Design No. AD/CA 120-04
Column Assembly
Column Rating - 2 Hours



- (1) Steel Column - W-shaped as indicated below
 Minimum Size - $W/D \geq 1.26$ ($M/D \geq 74$)
 where = W (M) = weight of column section lb/ft. (kg/m)
 D (D) = heated perimeter of column section in inches (mm)
 W/D (lbs/ft/in.) = M/D (kg/m/m) x 0.017
- (2) Thin Film Intumescent Coating

Intumescent coating designated A/D FIREFILM II or A/D FIREFILM III applied in accordance with manufacturer's instructions to the minimum dry film thickness shown below.

COLUMN DESIGNATION	RATING hours	(W/D)	Protection of Dry Film Thickness
			A/D FIREFILM II or A/D FIREFILM III
W10 x 77	2	1.26	138 mils (3.5 mm)

- (3) Glass Cloth Mesh Reinforcement (not shown) - self adhesive, alkali resistant glass mesh cloth 152 g/m², applied over the first coat of "A/D FIREFILM II or A/D FIREFILM III" around column flanges.
- (4) Finish Coating (not shown) - Silicone Alkyd paint designated A/D COLORCOAT.

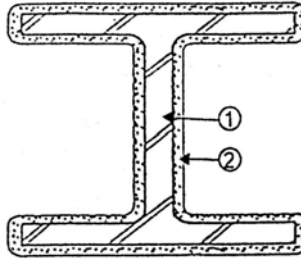
TEST STANDARD: ASTM E119

MARKING INFORMATION

Each container of coating shall bear the following information:

- (1) Manufacturer's name and address.
- (2) The term Listed Coating, Type A/D FIREFILM II or A/D FIREFILM III.
- (3) Referenced WH Design Number AD/CA 120-04.
- (4) Warnock Hersey (WH) logo.

ITS Design No. AD/CA 120-03 (revised)
Column Assembly
Column Rating – see below



- (1) Steel Column - W-shaped.
- (2) Thin Film Intumescent Coating – “A/D FIREFILM II or A/D FIREFILM III” intumescent coating applied in accordance with the manufacturer’s instructions to the minimum dry film thickness as indicated in the Table below.
- (3) Finish Coating – Silicone Alkyd paint designated “A/D COLORCOAT”.

RATING (hours)	MINIMUM W/D	MINIMUM DRY FILM THICKNESS	
		A/D FIREFILM II or A/D FIREFILM III	
		mils	mm
¾	0.41	76	1.94
¾	0.70	50	1.27
¾	0.83	42	1.07
1	0.41	118	3.00
1	0.65	91	2.30
1	0.83	65	1.65
1	1.62	30	0.76
1	2.96	16	0.40
1½	0.91	118	3.00
1½	1.34	73	1.85
1½	2.96	39	1.00
2	1.60	118	3.00
2	1.62	95	2.40
2	2.96	55	1.40

TEST STANDARD: ASTM E119

MARKING INFORMATION

Each container of coating shall bear the following information:

- (1) Manufacturer’s name and address.
- (2) The term Listed Coating, Type A/D FIREFILM II or A/D FIREFILM III.
- (3) Referenced WH Design Number AD/CA 120-03.
- (4) Warnock Hersey (WH) &/or Intertek logo.