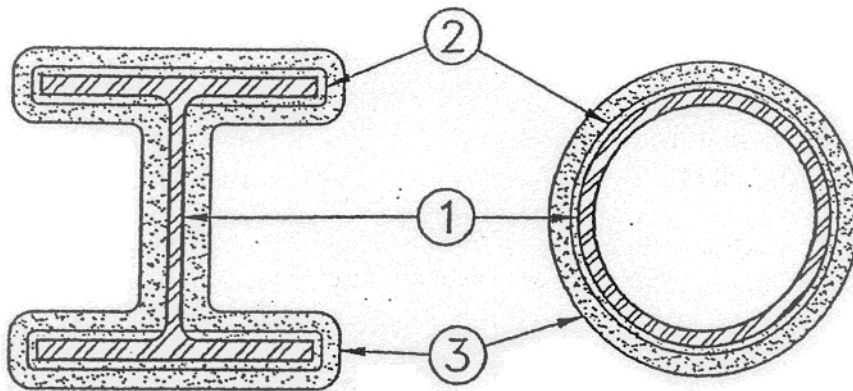


2 Hour Fire Resistant Column
COLUMN PROTECTION METHOD 5



STRUCTURAL STEEL COLUMN. W10 x 77 (W10 in., x 77 lb/ft, W250 mm x 115 kg/m), or HSS XXS (Double Extra Strong) Tubular Pipe, 4.5 in. (114 mm) O. D. x 0.674 in. (17.1 mm) wall thickness. Column must be blast cleaned per SSPC-SP6/NACE No. 3 and prime per manufacturer for list of appropriate primers and follow primer manufacturer's instructions.

2. GLASS CLOTH MESH REINFORCEMENT. Self adhesive, alkali resistant glass mesh cloth, 0.5 lbf/ft² (152 g/m²), applied over the first coat of thin-film intumescent coating (item #3), around the W-shaped column flanges or wrapped around HSS tubular pipe column.
3. THIN-FILM INTUMESCENT COATING. Intumescent coating applied in accordance with manufacturer's instructions (max 30 mil [0.76 mm] WFT, 23 mil [0.58 mm] DFT per coat) to the min dry film thickness (DFT) shown in the table below.

**AID Fire Protection Systems Inc., 420 Tapscott Road, Unit 5, Scarborough,
Ontario M1B 1Y4
AID FIREFILM II.**

4. THIN-FILM INTUMESCENT FINISH COATING (NOT SHOWN). Finish coating (Silicone alkyd paint) applied in accordance with manufacturer's instructions (2 - 4 mil [0.05 - 0.10 mm] DFT).

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Ontario M1B 1Y4
AID COLORCOAT.**

Column Size	Min Column WID (MID)*	Required min AID FIREFILM 11 Thickness, in. (mm)
W10 x 77 (W10 in. x 77 lb/ft, W250 mm x 115 kg/m)	1.26 (74.0)	0.14 in. (3.50 mm)
HSS XXS (Double Extra Strong) Tubular Pipe, 4.5 in. (114 mm) O.D. x 0.674 in. (17.1 mm) wall thickness	1.44 (114.0)	0.17 in. (4.42 mm)

* Weight (mass) of steel section/heated perimeter of steel section. Consult Manufacturer for specifics.