



Carboline Global Inc.
Design No. CC/IF 120-01
Column
Pyroclad X1
UL 1709
Rating: See Table 1 CC/IF 120-01
Environmental Exposure: See Table 2 CC/IF 120-01

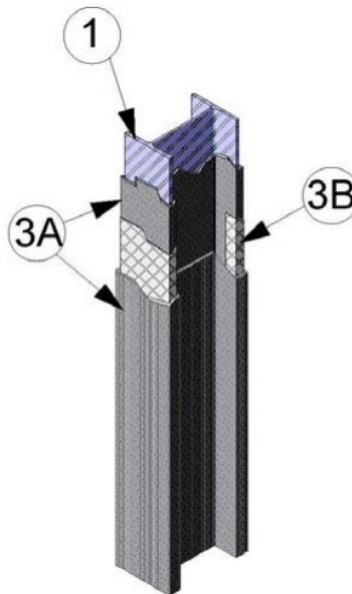


Table 1 CC/IF 120-01	
Fire Resistance Rating	Thickness
60 min.	321 mils
120 min	661 mils

- 1. SOLID STRUCTURAL STEEL COLUMN:** Use solid steel sections, I-shape or W-shape, having a Hp/A or A/V section factor equivalent to or less than a W10X49 wide flange steel column (if section factor of column to be used in listed in W/D then the section factor shall be equivalent to or greater than a W10X40 wide flange steel column).
- 2. PRIMER (Not Shown):** Spray or roll apply Carboline Carboguard 890 primer or other

approved epoxy primers (see manufacturer specification for approved primers) to bare steel column.

- 3. CERTIFIED MANUFACTURER:** Carboline Global Inc.

CERTIFIED PRODUCT: Intumescent Fireproofing

CERTIFIED MODEL: Pyroclad X1



3A. Intumescent Fireproofing: Spray or paint in one or more coats according to manufacturer's instructions to a nominal 1/3 the required thickness specified in Table CC/IF 120-01 before applying the carbon fiber high temperature mesh (Item 3B). After mesh installation, spray or paint in one or more coats according to manufacturer's instructions to required final thickness.

3B. Carbon Fiber High Temperature Mesh: Install mesh consisting of a woven carbon fiber fabric (see manufacturer specification for approved carbon fiber high temperature meshes) at nominal 1/3 depth of the intumescent fireproofing (Item 3A). Wrap mesh completely around steel structural column (Item 1) flange faces allowing a nominal 2-in. of the mesh to wrap around the inner flange of the steel structural column (Item 1).

Pyroclad X1 has been evaluated for use in exterior and interior environmental conditions as described in UL 1709 Appendix A and listed in the table below.

Table 2 CC/IF 120-01	
Exposure Description Condition	Applicable Design Listing
Accelerated Aging	CC/IF 120-01
High Humidity	CC/IF 120-01
Salt Spray Exposure	CC/IF 120-01
Combination Wet, Freeze and Dry Cycling	CC/IF 120-01
Industrial Atmosphere	CC/IF 120-01

Consult the listing report on the Directory of Building Products (<https://bpdirectory.intertek.com>) for the edition of the standard(s) evaluated.

Compliance of the assembly described in this Design Listing with the referenced standard relies on verification that the assembly constructed in the field is consistent with that described herein. Intertek certified products may be verified by the approved Intertek label; other products must be verified by the Authority Having Jurisdiction as meeting the specifications stated herein.