

LISTING INFORMATION OF Carboline Pyroclad X1

SPEC ID: 29501

Carboline Company 350 Hanley Industrial Ct. Saint Louis, MO 63114

This report is for the exclusive use of Intertek's Client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this report. Only the Client is authorized to permit copying or distribution of this report and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek. The observations and test results in this report are relevant only to the sample tested. This report by itself does not imply that the material, product, or service is or has ever been under an Intertek certification program. Carboline Pyroclad X1 is a two component fire resistant mastic intumescent coating. Carboline Pyroclad X1 is applied through a heated plural component spray system to primed structural steel components for the purpose of increased fire resistance. The A and B components are manufactured in separate batches and shipped to job sites in 5 gallon pails or 50 gallon drums.

RATINGS

Standard	Rating Flame Spread Index – ≤ 25	Design Listing
ASTM E84	Smoke Developed Index - ≤ 450 See Design Listing	NA
UL 1709		CC/IF 120-01

UL 1709 Environmental Exposures

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.

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

<u>Attribute</u>	<u>Value</u>
Criteria	ASTM E84 (2012)
Criteria	UL 1709 (2011)
CSI Code	07 81 00 Applied Fireproofing
Intertek Services	Certification
Listed or Inspected	LISTED
Listing Section	OTHER PRODUCTS
Report Number	100463890SAT-010B
Spec ID	29501



DRAWING INDEX

CC/IF 120-01

CC/IF 120-01



CC/IF 120-01 (page 2 of 2)

07 80 00 Fire and Smoke Protection 07 81 00 Applied Fire Proofing 07 84 23 Intumescent Fireproofing

one or more coats according to manufacturer's instructions to required final thickness after installing carbon fiber high temperature mesh (Item 3B).

 B. Carbon
 Fiber
 High

 Temperature
 Mesh
 Install

 Carboline
 High
 Temp
 Mesh

 consisting of a woven carbon
 fiber
 fiber

 fabric
 (see
 manufacturer

CC/IF 120-01

Page 2 of 2

specifications 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 solid structural steel 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		

Date Revised: May 19, 2014 Project No: 101441296SAT-005



©Intertek