

Location:

McMinnville, OR

Date of Application:

March 2007

Market:

Fireproofing - Commercial (USA)

Substrate:

Steel

Surface Prep:

SSPC-SP 6 (Commercial Blast)

Exposure:

Interior & normally dry - light duty service

Evergreen Aviation & Space Museum

Area Coated: Interior

- First Coat: A/D Firefilm III

Project Description:

The Evergreen Space Museum project required the fire protection of structural steel columns, beams, and trusses.

All areas coated with A/D Firefilm III were primed with a Carboline approved primer and topcoated with a Carboline approved topcoat.

The Evergreen Aviation & Space Museum is a 125 ft. high museum with over 120,000 square feet of exhibit space. It was specifically designed for the future home of the Space Shuttle Discovery when it retires from NASA in 2010. The Museum is also home to the Titan II Missile and Howard Hugh's Spruce Goose.

Project Challenge:

The open truss and column architecture of this structure required fire protection while maintaining the exposed steel design. This project required a dust free, easily cleanable, smooth finish that could not be achieved using conventional means of fireproofing.

The only solution was an intumescent fire resistive material (IFRM) that could provide a 2 hour fire rating and maintain the aesthetics of the project. The IFRM had to be spray applied with minimal coats to provide a smooth, architectural finish.

Coating Selection Explanation:

A/D Firefilm III was selected because it could provide the best surface finish available and had all the required UL and FM Global certification required to meet the project's 2 hour fire rating requirement.

A/D Firefilm III is a water based formulation that allows other trades to work in the area with no schedule impact and met all the project's LEED requirements.

This product was selected due to the high end finish appearance that can be achieved with minimal labor required to install.

