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Coatings - Linings - Fireproofing
THE PROTECTIVE COATINGS PROFESSIONALS™

Product Case History

Monsanto Seed Production Plant Structural Steel

Location:
Fargo, ND

Date of Application:
July 2010

Market:
Food and Beverage

Substrate:
Steel

Surface Prep:
SSPC-SP 6 (Commercial Blast)

Exposure:
Interior with heavy-duty physical or chemical exposure - frequently wet with frequent cleaning

Area Coated: Interior Structural Steel

- First Coat: Carbothane 8812
- Second Coat: Carbothane 8815

Project Description:

Single coat of Carbothane 8812 direct to prepared structural steel

Project Challenge:

Monsanto had typically used a two coat alkyd system for new structural steel for their seed production plants. The two coat systems were posing a problem during colder months due to long dry time between coats and long dry time to handle for shipment from fabrication shops.

Coating Selection Explanation:

Monsanto corporate corrosion enginnering worked with Carboline's St. Louis sale rep to determine a coating system that would meet their performance requirements and give them fast recoat and handling times in fabrication facilities.
Carboline's Carbothane 8812 was evaluated for warm times of the year (spring/summer) and Carbothane 8815 was evaluated for colder times of the year. Both systems were evaluated as single coat, direct to steel blasted to SSPC-SP 6. Due to the fast cure and single coat application, Monsanto adopted this system for the new seed production plants they are currently building.