

Product Case History



Fuel Storage Tank

LOCATION: Marquette, MI, United States

DATE OF APPLICATION: October 2016

MARKET: Power - Thermal Fuel

TYPE: New Construction

OWNER: Marquette, MI Board of Light and Power

PROJECT SIZE: 12,000 Square Feet

AREA COATED: Tank Lining

SUBSTRATE: Ferrous Metal (Carbon Steel)

EXPOSURE: Immersion, Chemical

SURFACE PREP: SSPC-SP 10 (Near White Blast)

PROJECT DESCRIPTION:

Chattanooga Boiler & Tank was contracted to fabricate, erect and coat a 40'D x 40'H fuel storage tank for the Marquette, MI Board of Light and Power. CB&T subcontracted the field coating work to Champion Painting (Fort Lauderdale, FL).

COATING SELECTION EXPLANATION:

The exterior tank components were abrasive blast cleaned to SSPC-SP6 Commercial Blast Cleaning standards and primed with Carboguard 893 in the shop prior to shipping to the site for erection. Carboguard 893 was also used as the field stripe and intermediate coat for corrosion and barrier protection. Carbothane 133HB was applied as the field finish coat for color and gloss retention properties (color G766 custom matched to exterior of metal building).

Phenoline 385 was applied as the primer, stripe and finish coat over an SSPC-SP10 Near White Metal Blast Cleaned surface on the floor, lower shell ring and ceiling for corrosion protection as the interior tank lining. Interior shell wall was left as bare carbon steel which is standard for fuel storage tanks.

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AREA COATED: Tank Exterior

SUBSTRATE: Ferrous Metal (Carbon Steel)

EXPOSURE: Exterior Weathering - moderate industrial exposure - chemical environment

SURFACE PREP: SSPC-SP 6 (Commercial Blast)

PRODUCTS: Carboguard 893, Carbothane 133 HB

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ADDITIONAL PHOTOS:

