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Corrosion Prevention Material Case History

Corrosion Repair and Protection: Steel Silos

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PROBLEM: The exterior surfaces of the silos were severely rusted due to lack of maintenance. The customer required economical and effective restoration. Additional requirement for surface was to avoid surface preparation by sandblasting or water jetting. Finally, the customer needed a solution that was easy to apply and environmentally friendly.

APPLICATION: The surface was prepared by wire brushing in areas that showed excessive loose rust and debris. A corrosion converting primer was applied to the surfaces of the silos. The converting primer changed the heavy rust from brown to black when conversion process was completed and the surface was dry. Once cured, a water-based acrylic primer/topcoat with aluminum pigmentation was spray applied on the metal surface (one coat).



SOLUTION: The environmentally friendly primer and topcoat offered restoration of the silos to a clean looking and attractive appearance. The application of these coatings was selected to reduce environmental impact and to avoid sandblasting operation. The

owner now enjoys the benefit of a restoration project that will provide protection in harsh, outdoor environments for years to come.

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