




MICRO-CORROSION INHIBITING COATINGS POWERED BY NANO VPCI®

CASE HISTORY SPOTLIGHT

Case History 305: Restoring Rusty Silos with Cortec® Coatings



HIGH PERFORMANCE VpCI™ COATINGS



CASE HISTORY

Restoration with Cortec® Coating System

PROBLEM
The exterior surfaces of the silos were severely rusted due to lack of maintenance. The customer required economical and effective restoration for the next five years. 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. VpCI® Converter® was brush applied to the surfaces of the silos. The VpCI® Converter® was applied between 80-100 microns (DFT)(3-4 mil) depending upon the degree of rust. The VpCI® Converter® changed the heavy rust from brown to black when conversion process was completed and the surface was dry.

CONCLUSION
The VpCI® Converter® and VpCI®-386 Aluminum offered restoration of the silos to a clean looking and attractive appearance. The application of VpCI® Converter® and VpCI®-386 Aluminum was selected due to lack of environmental impact and avoiding sandblasting operation. Therefore giving the owner the benefit of a substantial reduction of cost of the entire restoration project.

DATE
May 2006

CORTEC® DISTRIBUTOR
CorSeto Co. Ltd.


LOCATION
Serbia

PRODUCTS
VpCI® Converter®
VpCI®-386 Aluminum

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The exteriors of several silos in Serbia had become rusty through lack of maintenance. The owner needed an easy, effective, and economical restoration solution that did not involve sandblasting or water jetting. As an alternative, the client prepared the surface by removing loose rust and debris with a wire brush and then applying CorrVerter®. This turned the heavily rusted surfaces from brown to black. After allowing CorrVerter® to dry, the tanks were top-coated with VpCI®-386 Aluminum to provide a clean, attractive appearance. This coatings system was selected because of its low environmental impact and avoidance of sandblasting, helping the owner substantially reduce the cost of the restoration project.

Read the full case history at: https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch305.pdf

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