



MICRO-CORROSION INHIBITING COATINGS POWERED BY NANO VPCI®

# CASE HISTORY SPOTLIGHT

## Case History #783: Better Corrosion Protection with Less Paint



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A tube steel manufacturer needed a water-based corrosion inhibitor coating for the OD (outer diameter) of oil and gas industry pipes. In addition to protecting pipe externals until commissioning, the coating needed to be applied at 1 mil (25  $\mu\text{m}$ ) DFT, meet zero VOC requirements, and force-dry in an oven at 140 °F (60 °C) before stenciling.

A trial was done using Cortec® [EcoShield 386 FD](#) on several thousand pipes left to sit outside for one year near the Gulf of Mexico. The pipes were hydrotested before the coating was applied and then force dried for 22 minutes. At the end of a year in outdoor storage, the coating showed excellent 5B adhesion, and there was no rust on pipe ODs. Three other trials did similarly well.

The client was very satisfied with the product performance and planned to use it at other facilities. In contrast to the competitor product, EcoShield® 386 FD helped the manufacturer achieve longer protection and meet local VOC requirements at only 0.04 lbs/gal (5 g/L) VOC. It also allowed the manufacturer to save money by using less paint.

To read the full case history, please visit: [https://www.corteccasehistories.com/?s2member\\_file\\_download=access-s2member-level1/ch783.pdf](https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch783.pdf)

**Keywords:** tube steel manufacturer, corrosion protection, water based coating, oil and gas industry pipes, zero VOC, use less paint, EcoShield, Cortec, corrosion inhibitor coating

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