

## CUSTOMER SUCCESS STORY

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# At BASF, we don't make decks, rails or fences. We make them more durable.

**Customer:** Woods Run Forest Products, Inc., Colfax, Wis.

**End-Use:** Pressure Treated Wood Products

**Product:** Protectol® CX® Type A Wood Preservative

**PROBLEM:** Woods Run Forest Products, Inc., is a milling operation equipped with Dry Kilns, and wood treatment operation. Like many wood treaters, Woods Run utilized CCA as a wood preservative. In 2003, the U.S. Environmental Protection Agency mandated that the CCA coatings would have to be replaced by alternative chemicals that did not contain chromium and arsenic for the treatment of wood for use in residential applications. Woods Run researched the alternative treatments to CCA that were available at the time.

"We found corrosion to be a leading factor with us, and a major concern to our customers," said Tom Wittek, Senior Vice President of Woods Run. "Some of the alternatives did not do a strong enough job of preventing corrosion. We knew that we had to find a product that did not contain toxicological or environmental threats, but at the same time delivered the same or better product performance.

**SOLUTION:** BASF worked with Woods Run to trial Protectol CX Type A, a chromium- and arsenic-free wood preservative that meets the EPA's mandate. Developed by BASF's subsidiary, Dr. Wolman GmbH – a leader in the wood preservative industry – it is based on copper-HDO technology, which has a proven 18-year history of wood preservation performance. Copper HDO, type A was added to the AWWPA book of standards in 2006.

"Our in-house tests with fasteners comparing CCA with Protectol CX Type A demonstrated that BASF's Copper HDO technology is very similar to CCA with regards to corrosion," said Wittek. "We found Protectol CX Type A to be superior to the existing technology available at that time."

**BENEFITS:** Woods Run's mill produces dimensional material out of White and Red Pine, and treats White, Red and Ponderosa Pine – considered to be traditionally "hard to treat" species. Woods Run was able to achieve consistent penetration and lower mold inhibitor use, with minimal physical plant corrosion. Other benefits were:

- Equal or better penetration than CCA in all pine species
- Even distribution of the actives in the wood, virtually no stripping of actives
- Very stable as concentrate; no agitation needed
- Very stable treating solution even at very low concentrations
- Readily mixed, even with relatively hard water
- Very little tendency to foam
- Only small amounts of moldicide necessary

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