



## Corrosion Resistance

# Featuring Polyshield HT-101™

**Project:**  
Steel Cooling Towers

**Location:**  
Everett, Washington

**Owner:**  
Major Airplane Manufacturer

**Applicator:**  
Cascade Industries

**Coating System:**  
Polyshield HT-101™  
EP-100 (Epoxy Primer) & EPL-8

**Date Completed:**  
October 2008

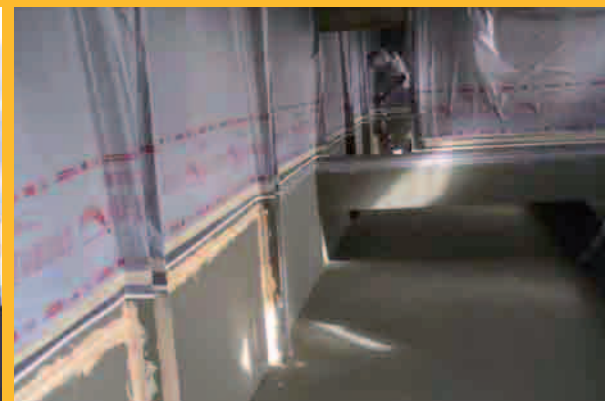
**PROBLEM:**  
Steel cooling towers at a major airplane manufacturing plant in Washington State are constantly exposed to the harsh regional environment. As a result, the towers quickly started to rust and corrode. To minimize the facilities downtime, the owner needed a long-term solution, with a fast turn-around time.

**SOLUTION:**  
SPI's Polyshield HT-101™ was the best solution. It provided a flexible, resilient, and tough monolithic protective coating, with excellent water and corrosion resistance.

As always, proper surface preparation was critical prior to the coating application. Surface preparation included pressure washing, and grinding the steel substrate to remove existing rust and corrosion. To ensure adhesion, the substrate was primed with SPI's EP-100™ (Epoxy Primer).

SPI's self-leveling EPL-8™ was applied to the hard-to-reach areas. Polyshield HT-101™ was then applied at a thickness of 60-80 mils. Each cooling tower took an average of 2-3 days to completely prep, prime, and coat with Polyshield HT-101™. Once applied, Polyshield HT-101™'s fast-set physical properties allowed for a quick return to service time.

**RESULTS:**  
The towers' service life has been extended, and can easily be cleaned and maintained going forward. Upon final inspection, the owner was pleased with the results and said he would use these products for future projects.



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