



## PROJECT PROFILE

*PolySpec® coatings and linings provide protection for areas throughout pipe plant.*



## CUSTOMER

### Outokumpu

Wildwood, FL

## PROJECT TEAM

Consultant: Diversified Engineering International.

Contractor: American Sandblasting & Painting.

## PROJECT OVERVIEW

Outokumpu is an international stainless steel company with operations in 30 countries. The Wildwood mill specializes in manufacturing ANSI pipe from small to large OD in heavy, standard and special grades from both strip and plate.

The chemicals used in the pickling process are extremely aggressive. PolySpec® proved to be one of the only industrial coating manufacturers with proven solutions for these harsh applications. The PolySpec® representative worked closely with the engineers, plant personnel and installation contractor to ensure a successful installation. As a result, PolySpec® products have been used for multiple applications throughout the plant.

## KEY CONSIDERATIONS

**Chemical Resistance:** The systems used had to provide protection from harsh pickling chemicals including:

- Nitric Acid up to 65%
- Hydrofluoric Acid up to 70%

**Durability:** The systems had to bridge cracks in the concrete and withstand expansion and contractions due to changes in environmental temperature.

**Slip Resistance:** The forklift ramp is wet from the dipping and transporting the pipes. A system was needed with an aggressive non-skid texture that would not lose its texture even under extreme traffic.

## SYSTEM PRODUCTS

### TANK PIT

- **PolySpec® 320:**  
Primer for Vinyl Esters & Polyesters on Concrete
- **PermaRez® 338:**  
Reinforced Vinyl Ester Lining – Flake Filled System
- **FlakeRez® 302 Carbon:**  
Halogenated Polyester – Carbon Flake Filled

### PICKLE LIQUOR CONTAINMENT

- **PolySpec® 300EX:**  
Performance Primer for Concrete
- **Thiokol® 2234:**  
Concrete & Steel Coating/Membrane – Flexible Epoxy

### FORKLIFT RAMP

- **TuffRez® 206:**  
Epoxy Coating – Non-Skid