



# Floor Coating System

## Featuring Polyshield HT™

**Project:**  
Western State Mental Hospital

**Location:**  
Tacoma, WA

**Owner:**  
Washington State Department  
of Social & Health Services

**Applicator:**  
Pacific Coatings

**System:**  
POLYSHIELD HT™ Polyurea  
100 mils  
Tie Coat Primer

**Spray Equipment System:**  
SPI FF-18/18, D7 Spray Gun

**Total Area:**  
1000 square feet

**Completion Date:**  
2007

### PROBLEM:

Western State Mental Hospital had an old floor coating that was peeling and tearing apart. This cold applied urethane coating only lasted a few years. The Hospital architects searched for a protective coating that would provide a long lasting and seamless floor system capable of withstanding heavy traffic.

### SOLUTION:

SPI's Polyshield HT™ polyurea offered an "all-in-one" solution that met each flooring system project requirements. The old coating was abraded and SPI's Tie Cote™ primer was applied to ensure proper adhesion. Polyshield HT™ polyurea was then applied at 100 mils to floors and walls creating a durable and

seamless (monolithic) membrane. All exposed edges were covered with 1" x 1/8" metal strapping and sprayed with Polyshield HT™. This provided a seamless mechanical bond over the edge of the Polyurea to eliminate any potential problems caused by peeling or pulling on the uncoated edges.

### RESULTS:

The hospital architects and therapists chose Polyshield HT™ in pink and light blue colors as studies have shown these colors are soothing and relaxing to patients. The new floor system has decreased maintenance cost, reduced risk of injuries to the patients and employees, and has extended the service life of the hospital floors.



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