



Building Roof

Featuring Polyshield HT-101™

Project:
The Marlborough House

Location:
Seattle, Washington

Owner:
Broadstone Domaine, LLC

Applicator:
Vector Construction, Inc.

System:
POLYSHIELD HT-101™ Polyurea
100 mils

Total Area:
4,000 square feet

Completion Date:
July 2008

PROBLEM:
The Marlborough House in Seattle, Washington was in desperate need of a complete leak-free roofing system. This project had a tight deadline that had to be met regardless of weather conditions.

SOLUTION:
After much consideration of the available options, the project owner decided to use SPI's Polyshield HT-101™ polyurea due to its high elongation and tensile strength properties.

The original failing roofing material was removed, leaving exposed concrete and bitumen residue. The transitions included brick parapets, concrete and wood curbing, metal flashing, and cast iron pipe. Polyshield HT-101™ high elongation characteristics allow the coating to encapsulate virtually any shape or size, providing a truly seamless, monolithic coating that seals the substrate and locks out water. The entire roof area was tented or enclosed to ensure the schedule could be met during

the rainy season. Cracks were prepped and filled, then the area was coated with a tar conversion epoxy primer.

Polyurethane foam was used to smooth out the rough parapet wall and for slope correction. Next, the applicator sprayed applied 100 mils of SPI's Polyshield HT-101™ polyurea on the roof, parapet wall, and all penetrations. The applicator then added an acrylic topcoat for U.V. protection.

RESULTS:
The building owner was very impressed with the fact that Vector Construction finished the project within the required time frame even with difficult weather conditions. Polyshield HT-101™ provided a complete roofing membrane that moves with the concrete expansion and contraction during annual weather cycles. They now have a dependable system in place that will increase the service life of their roof, prevent leaks, ultimately providing repair cost savings.



After



Before

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