



Concrete Waterproofing & Abrasion Resistance

Featuring Polyshield HT™

Project:
Condominium Parking Garage

Location:
Belltown, Seattle Washington

Owner:
Private Real Estate Developer

Applicator:
CDI Coatings, Inc.

Coating System:
Polyshield HT™ - Slow
100 mils with non-slip aggregate

Total Area:
24,000 square feet

Date Completed:
October 2004

PROBLEM:

A private real estate developer was preparing for owners to move into a new condo building, when a critical problem was discovered. Water had begun to leak through the concrete parking garage down into the business offices below. The owner needed a reliable coating solution in place immediately to stop the leakage. The product would also have to provide a non-slip surface and protect the concrete from the everyday wear and tear of vehicle traffic. To further complicate matters, the parking garage needed be returned to service in time to allow the new condo owners to move in on schedule.

SOLUTION:

CDI Coatings, Inc. was awarded the contract. CDI and SPI recommended Polyshield HT™-Slow polyurea because of the product's waterproof, abrasion resistance, and rapid curing properties. The concrete surface was first sweep-blasted and cleaned.

Polyprime-100™ primer was applied to finish surface prep. A 40 mil base coat of SPI's Polyshield HT™-Slow polyurea was applied. Next, another 50 mils of Polyshield HT™-Slow was added with an aluminum oxide aggregate broadcast into the coating. Finally, the applicator sprayed a 10-15 mil topcoat to lock in the aluminum oxide aggregate and provide a non-slip surface. Due to the diligence of the CDI applicator crew and the product's rapid curing time, the entire project was completed and returned to service within 48 hours.

RESULTS:

The project owner was delighted with the outcome and quick turn-around. New condo owners were able to move in on schedule. The parking garage was reinspected six years later (see below pictures). The polyurea is still performing well after years of high-volume vehicle traffic and weather cycles.

