



Concrete Protection & Restoration

The Reach Resort Restoration

Scope of Work

Repairs to concrete balconies and beams, repairs to post-tensioned tendons in beams, columns, and slabs, waterproof deck coatings, and soffit coatings.

Location

Key West, Florida

Project Size

\$2,300,000.00

Owner

LXR Luxury Resorts

Engineer

Wiss, Janney, Elstner Associates, Inc.

Concrete Protection & Restoration
Saving the life of concrete!

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Problem

Salty air, summer rains, normal wear and tear, high concentration of chloride content within the concrete, and deferred maintenance led the concrete structure of this ocean front luxury resort to badly need repair. The balconies also experienced severe water damage and needed repair just as the concrete in both, the elevated parking garage and pedestrian walkways.

Solution

- ◇ Full and partial depth repair to all walkways, balconies, and the parking garage
- ◇ Post-tension cables repair to the balconies and within the parking garage
- ◇ Waterproofing membranes installation to all balconies and walkways to protect the termination points of the post-tension cables
- ◇ Traffic-bearing membrane addition to the garage surface
- ◇ Repair of the vertical exterior and interior walls

