



Project Overview

FRP REPAIR OF CONCRETE SLAB IN HIGH RISE BUILDING

Name: Trump Grande Condominiums
Type: Condominium Building
Location: Sunny Isles Beach (Miami), Florida
Completed: February, 2007

PROBLEM

A high rise condominium tower overlooking the Atlantic Ocean was occupied and a condominium unit located below spa facilities presented leakage problems due to water seeping through cracks in the slab.

Crack repair had to be undertaken in an occupied luxury condominium unit. Since the residents were relocated to a nearby hotel, the job had to be completed in a day.



SOLUTION

QuakeWrap® FRP Repair System was selected since crack sealing could be done within a day. Existing cracks were injected with epoxy and one layer of QuakeWrap® FRP carbon fabric was applied over the crack trajectories to prevent formation of new cracks and to provide additional leakage protection.



Technical Highlights

- Occupied high rise luxury condominium tower.
- Crack repair and prevention required in slab.
- Cracks trajectories in slab repaired with one layer of QuakeWrap® FRP carbon fabric.
- Job completed in a day with a 3 man crew.

Credits

Consultant: Gopman Engineers, Miami, Florida.



“The FRP Retrofit Experts”