

Case Study

Connemara Condominium Parking Garage

The Connemara Condominium, located on Singer Island, Florida, is a luxury condominium that provides beautiful coastal scenery, beach access, and incredible South Florida weather for its residents.

Location
Singer Island, Florida

Client
Restoration Technology, Inc. (RTI)

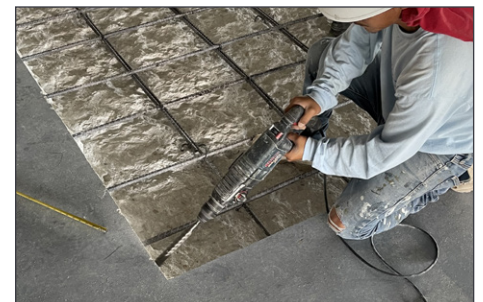
Completed
February 2022

Structure
Car Parks



The Problem Identified

The condominium was built in 1977 and throughout its life has been exposed to atmospheric coastal conditions from both the east (ocean) and west (intracoastal) side. Due to these conditions/exposure and age of the structure, the parking garage began to show signs of corrosion damage, causing disruption to parking and tripping hazards for residents.



Drilling anode hole at patch edge



The Solution Developed

The parking garage at Connemara had undergone previous restorations and there was evidence of the incipient anode effect around repairs. To combat this issue and deal with the coastal environment of the garage, a repair procedure including PatchGuard 175 was specified.

The PatchGuard 175 anodes were installed along the perimeter of the repairs to ensure mitigation of the corrosion and extend the service life of the repairs. Due to PatchGuard's placement in the native concrete, there were no restrictions to the repair mortar selection providing residents with the highest quality restoration.



PatchGuard 175 connected to reinforcement

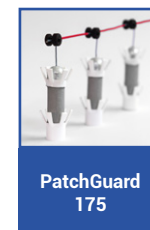


The Benefits Provided

Residents benefit from having more access and less disruption to their parking garage. For large condominiums with premium coastal locations, like Connemara, there is little wasted space and parking can be limited. Closures to garage for repairs/restoration can be extremely inconvenient for residents and their visitors.

To avoid these closures, it is essential to maintain their garages and avoid damage from issues like corrosion. Utilising PatchGuard 175 anodes within the patch repairs ensures that the residents have the advantage of a long-term solution to corrosion and are protecting their investment into their property.

CPT Products Used



PatchGuard 175



DuoCrete PG Mortar



Certificate Number 10159
ISO 9001, ISO 14001