

PROJECT:

Repair of protection wall on new Crescent Board Walk, Palm Jumeirah, Dubai, UAE

Project Information

Client	: NAKHEEL
Location	: Palm Jumeirah, Dubai, U.A.E.
Applicator	: Overseas AST Co LLC
Consultant	: CH2MHILL / Halcrow International
Products	: Corrobond SBR Corrocrete FC; Corrocrete SC; Corrocrete MC; Corrocrete HB Corrocure AR
Area	: 11 km length
Area of application	: Concrete repair of existing protection wall
Year of application	: 2016



Project Description:

World renowned Palm Jumeirah artificial island is one of many attractions for the wider community of Dubai and millions of tourists who visit Dubai every year.

The Palm's developer, NAKHEEL PJSC, decided to improve the visitor's experience by building a raised boardwalk along the sea facing side of the Crescent protection wall.

The 6 m wide and 11 km long boardwalk is being developed in alignment with Dubai Vision 2020.

Being a design and build project for Overseas AST Company, Corrotech was approached to offer effective solutions for the existing concrete wall reprofiling and repairs.

The application took place in 3 steps:

- 1) After scraping off unwanted loosely bonded concrete, Corrobond SBR bonding agent was applied.
- 2) Depending on the extent of the damage, the following repair products were used:
 - Corrocrete SC: skim coat for applications between 0.5 - 4 mm
 - Corrocrete FC: rendering mortar for applications between 0.5 - 10 mm
 - Corrocrete HB: high build mortar for applications between 5 - 50 mm
 - Corrocrete MC: structural micro-concrete for applications between 10 - 120 mm
- 3) Corrocure AR curing compound was applied over the fresh concrete to enhance curing.

The products were supplied and applied to the customer's satisfaction, both with product quality and effectiveness of Corrotech Construction Chemicals' Customer Service and Technical Support.

