

# CASE HISTORY

## Marina Arcade Building Preservation



### DATE

2015

### CUSTOMER

Mada'in Properties

### CONTRACTOR

Al Rostamani Pegel LLC

### CONCRETE SUPPLIERS

Unibeton Readymix

### CONSULTANT

Al Ajmi Engineering Consultants

### PRESENTED BY:

**CORTEC**  
MIDDLE EAST

Environmentally Safe VpCI®/MCI® Technologies  
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### LOCATION

Dubai, U.A.E.

### PRODUCTS

MCI®-2005

### PROBLEM

A mixed-use building at the Dubai Marina consists of two basements, a ground floor, 47-stories, and a roof. It houses furnished apartments, retail space, boutique offices, and recreational facilities. The project covers an area of 88,720 square meters (106,108.24 yd<sup>2</sup>). The project also includes a three-level parking garage with a capacity for 850 cars. The project is located in the Al Marina area where the water table is high because of close proximity to the sea. The high chloride content in the soil adds another challenge to achieving durability objectives.

### APPLICATION

Al Ajmi Engineering Consultants specified MCI®-2005 admixture to protect the whole substructure of the project. MCI® Technology was added to protect more than 10,000 cubic meters (13,079.51 yd<sup>3</sup>) of concrete.

### CONCLUSION

MCI® was preferred over other corrosion inhibitors due to its migration capability, low dosage rate, organic nature, and its certification to meet NSF 61 standard requirements for use in potable water structures.



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