



**MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE**



# CASE HISTORY

## Al Hadeel at Al Bandar Application

### DATE

December 2015

### CONCRETE SUPPLIER

Unibeton

### CONSULTANT

Aurecon

### CONTRACTOR

Al Faraa

### LOCATION

Abu Dhabi - Al Bandar, UAE

### PRODUCTS

MCI®-2005

### PROBLEM

This luxurious project is an expansion for Al Raha Beach Development and is located in Al Bandar. It sits on the seafront of Al Raha Beach, and consists of 2 Basements, Ground Floor, plus 10-stories.

Maintaining projects, and meeting durability and service life requirements in Abu Dhabi is extremely challenging. The chloride levels in the soil are extremely high, which is coupled with high temperature levels. In addition, this project is located very close to the sea and the ground water table is high, making the substructure concrete located in an ideal environment for corrosion.

### APPLICATION

Aurecon, the project designer, specified MCI®-2005 for the whole substructure. This included 5,000 m<sup>3</sup> of piling concrete, and 5,000 m<sup>3</sup> of raft and basement concrete.

### CONCLUSION

Due to its proven technology, Cortec's MCI®-2005 was the only corrosion inhibitor specified and used to protect the substructure of the project.

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ch510 6/2016

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