



MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE

CASE HISTORY

Extending Service Life: Al Hadeel at Al Bandar



CONTRACTOR

Al Faraa

LOCATION

Abu Dhabi - Al Bandar

PRODUCTS

MCI®-2005

PROBLEM

The project is part of the Al Raha Beach Development. The building consists of two basements, a ground level, and 10 stories. A corrosion inhibitor was needed to increase the durability of the building's substructure in a corrosive environment.

APPLICATION

MCI®-2005 was used in the reinforced concrete pilings and raft of the substructure. This admixture is added to the concrete mix at a low fixed dosage of 0.6 liters per cubic meter (1 pt/yd³), independent of chloride levels.

CONCLUSION

MCI®-2005 was used in 5,000 cubic meters (6540 yd³) of concrete for pilings and 5,000 cubic meters (6540 yd³) of concrete for the raft. The proven effectiveness of MCI®-2005 was the driver for using it in the project.

DATE

December 2015

CONCRETE SUPPLIER

Unibeton

CONSULTANT

Aurecon

PRESENTED BY:



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MIGRATING CORROSION INHIBITORS
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