

# MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE



## CASE HISTORY

### Repair of San Agustin Church

#### DATE

March 2008

#### DISTRIBUTOR

M.R.F. Inc.

#### SPECIFYING ENGINEER

Architect Luis A. Torres

#### CUSTOMER

San Juan Archdiocese Catholic Church

#### LOCATION

San Juan, Puerto Rico

#### PRODUCT

MCI®-2020

MCI®-2311

MCI®-2022

#### PROBLEM

A 100 year old church standing less than 300 feet from the ocean was exposed to the daily sea breezes and started showing signs of deterioration due to corroded rebar. The structure was in urgent need of repair before the damage became irreversible.

#### APPLICATION


First, MCI®-2020 was applied on the precasts and the walls to allow the inhibitors to migrate through the concrete to treat the steel reinforcement bars. The second step was to repair the damage by applying MCI®-2311, a single component, cement-based mortar. This was followed by a saturation of MCI®-2022, a water-based, water-repelling sealer.

#### CONCLUSION

The architect searched and evaluated all the alternatives available on the market and selected Cortec's products because of their superior corrosion inhibition properties, excellent performance, and easy application.

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