

MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE



CASE HISTORY

Construction of the World's Largest Mosque



DATE

Summer 2003

CUSTOMER

The Grand Mosque

LOCATION

United Arab Emirates

CORTEC DISTRIBUTOR

Gulf Sail Engineering, Abu Dhabi



CORTEC PRODUCTS

MCI®-2021, MCI®-Architectural Coating White

APPLICATION

Two coats of MCI®-2021 were applied to the concrete surface. Total consumption of approximately 150 square feet per gallon (3.7 square meters per liter) was used. This was followed by an application of MCI®-Architectural Coating in white. One coat was applied to the building, and two coats were applied on the domes.

CONCLUSION

Cortec® Corporation's environmentally friendly, water-based products formed a protective barrier to the concrete surface, providing mixed (anodic and cathodic) corrosion protection to embedded reinforcement and forming a protective barrier against carbonation and the intrusion of chlorides, all while allowing the concrete to breathe. The coatings were also UV and thermally stable once cured.