

MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE

CASE HISTORY SPOTLIGHT

Cortec® Case History 310: MCI®-2005 Protects the Tallest Building in the World!



**MIGRATING CORROSION INHIBITORS
FROM GREY TO GREEN**



A foundation made of 192 concrete piles plunges more than 50 meters (164 ft) below the surface of the ground to support the tallest building in the world: the Burj Khalifa. Built in Dubai, UAE, this mass of concrete and steel is exposed to harsh area groundwater conditions with a higher chloride content than seawater. Extensive review went into selecting technologies that would meet durability requirements for a 100-year structural design life. MCI®-2005 was chosen as an additional layer of protection against corrosion in the 45,000 m³ (58,868 yd³) concrete substructure, which weighs more than 110,000 tonnes (121,254 US tons). The use of MCI®-2005 was a cost-effective and responsible choice for sustaining the durability of a massive building that has taken 22 million man-hours and a myriad of valuable material resources to construct in a harsh environment.

Read the full case history and learn more about this record-breaking structure at: https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch310.pdf

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