



MIGRATING CORROSION INHIBITORS  
FROM GREY TO GREEN



Environmentally Safe VpCI®/MCI® Technologies



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

# CASE HISTORY SPOTLIGHT #630: Krk Bridge Preservation Project



The Krk Bridge, which includes one of the world's longest reinforced concrete arches, is located in a corrosive environment where strong winds blow salt spray onto the bridge's surface. Almost four decades of chloride exposure led to corrosion problems that, due to inadequate maintenance, threatened to endanger the bridge's stability unless proper preservation measures were taken. With one million vehicles traveling across the bridge every year, mitigation was critical.

A team selected [MCI®-2020](#) as part of the preservation program after investigating a variety of materials. Workers began applying it in the year 2018 during an extended repair stage. As a surface applied corrosion inhibitor (SACI), MCI®-2020 was used prior to applying repair mortar on areas of concrete where corrosion had been identified. MCI®-2020 was economical, easy to use, and met project technical requirements, making it a great addition to this long-term preservation project to extend the service life of the Krk Bridge.

To read the full case history, please visit:

[https://www.corteccasehistories.com/?s2member\\_file\\_download=access-s2member-level1/ch630.pdf](https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch630.pdf)

**Keywords:** word's longest concrete arches, Krk Bridge Preservation, Case History Spotlight, extend service life, surface applied corrosion inhibitor, SACI, repair mortar, corrosion inhibitor, Cortec, corrosion problems on bridges

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