

MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE

CASE HISTORY SPOTLIGHT

Case History 613: Protecting PT Strands on the New Tagliamento River Viaduct



A new bridge is being built over the Tagliamento River in Italy, and MCI®-309 is playing an important role in protecting post-tensioning (PT) cables from corrosion. The 1.5 km (0.9 mile) dual carriageway bridge is being constructed from conjugated segments of precast reinforced concrete with post-tensioning. After the PT cables are placed, MCI®-309 is easily fogged through the PT ducts using a low-pressure air hose. The powder vaporizes and adsorbs on the tendons as a protective molecular layer inhibiting corrosion while the bridge awaits grouting. MCI®-309 greatly reduces labor and further exposure to corrosive elements because little or no surface prep is required, and MCI®-309 does not need to be flushed out before grouting.

To read the full case history, please visit:

https://www.corteccasehistories.com/?s2member_file_download=access-s2member-level1/ch613.pdf

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