



Cortec's MCI-2019 Sealer: Latest Technology For The Preservation Of Concrete Structures

MCI-2019 is a non-toxic, environmentally safe, 40% silane, solvent-based concrete sealer utilizing revolutionary time-proven Migrating Corrosion Inhibitor (MCI) technology that has grown to become the industry standard for significantly extending the service life of concrete structures.

The MCI action allows this product to migrate through even the densest concrete, therefore providing superior protection against the harmful effects of corrosion. It seeks out embedded reinforcement to form a protective monomolecular corrosion inhibiting layer on the steel. The migratory inhibitor reduces further corrosion and increases surface abrasion resistance.

MCI-2019 is a small molecule product that can easily penetrate deep into concrete providing repellency by chemically reacting with the cementitious substrate with proper application.

Treated substrates are hydrophobic and retain their original appearance. MCI-2019 seals surface pores which prevents intrusion of chloride and carbonation and protects from the ingress of wind-driven rain.

Treated concrete surfaces remain fully breathable and their natural moisture-vapor transmission is not affected. An alkaline environment such as new concrete will catalyze the reaction and speed the formation of MCI-2019's hydrophobic surface.

This product offers engineers, owners, contractors, DOTs, and government agencies a time proven corrosion inhibiting technology that will extend the life of all reinforced concrete structures such as commercial buildings, parking decks, garages, highways and bridge structures.

MCI-2019 is easily applied to concrete by spray, roller, or squeegee; reducing the high cost of labor and equipment.

Also available is MCI-2019 AG, a special version of MCI-2019 containing a green fugitive dye to confirm application; which fades in time.

MCI-2019 blocks carbonation and chloride ion intrusion and helps protect against acid and chemical attack. It does not contain nitrites, phosphates, or chromates.

This product was tested according to the National Cooperative Highway Research Program (NCHRP) and ASTM C-156, C-1218, and C-672.