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Attention: Editor

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PRESS RELEASE



Cortec's MCI® -2019 Sealer

Latest Technology for The Preservation of Concrete Structures!

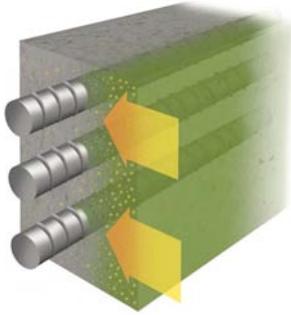


MCI®-2019 silane sealer molecules are very small, allowing penetration into the smallest concrete pores. This product provides excellent corrosion protection for all concrete structures.

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.



MCI[®] Transport Mechanisms in Concrete

Capillary Absorption

Diffusion

Physical Adsorption

Mono – molecular layer

Suppresses anodic and cathodic reaction

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.

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Cortec[®] Corporation is the global leader in innovative, environmentally responsible VpCI[®] and MCI[®] corrosion control technologies for Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas, and other industries. Our relentless dedication to sustainability, quality, service, and support is unmatched in the industry. Headquartered in St. Paul, Minnesota, Cortec[®] manufactures over 400 products distributed worldwide. ISO 9001, ISO 14001:2004, & ISO 17025 Certified.

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