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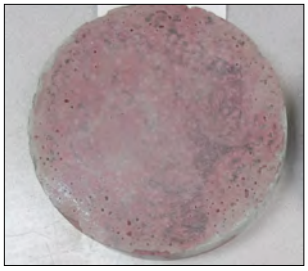
**Attention: Editor**

June 19, 2012

**PRODUCT RELEASE**

# Cortec's MCI®-2018 and MCI®-2018 V/O Now Available With A Fugitive Dye.



**Just Coated**

**5 Days After**

**30 Days After**

**Control-No Dye**

MCI-2018 FD and MCI-2018 V/O FD contain a red fugitive dye to aid in uniform application and job inspection. The color will stay on concrete from 7 to 30 days; fade time dependent on sunlight (UV) exposure. These 100% silane concrete sealers contain Cortec's Migrating Corrosion Inhibitor (MCI®) that can penetrate deep into concrete providing corrosion protection to embedded reinforcement. They also provide water repellency by chemically reacting with the cementitious substrate decreasing the ingress of aggressive materials. MCI-2018 V/O FD is particularly formulated for application on vertical surfaces.

MCI-2018 FD and MCI-2018 V/O FD form a monomolecular corrosion-inhibiting layer on the steel, inhibiting the electrochemical corrosion process between metal and chloride, oxygen, and moisture in concrete. They aid in reducing carbonation and chloride ion intrusion to extend the service life of structures.

**TECHNICAL DATA FROM LABORATORY TESTS**

- Alberta Transportation Specification B388
  - MCI-2018 meets Alberta DOT Type 1b and Type 1c sealer requirements for vapor transmission and waterproofing performance.

- NCHRP - Series II Reduction in Chloride Ion Content
  - Single coat application, at 125 ft2/gal (10 m2/l), showed an 88% reduction in chloride ion content.

- NCHRP - Series IV, Southern Exposure Accelerated Weathering Tests
  - Single coat application at 125 ft2/gal (10 m2/l), had zero discoloration and reduced chloride ion intrusion by 98% compared to a control.

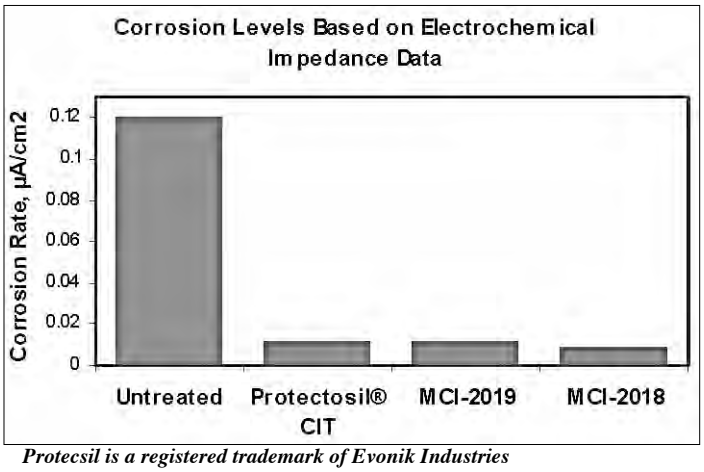
- ASTM C-642 Water Absorption of Concrete
  - Single coat application, at 125 ft2/gal (10 m2/l), showed a 74% reduction after 50 days compared to the control.

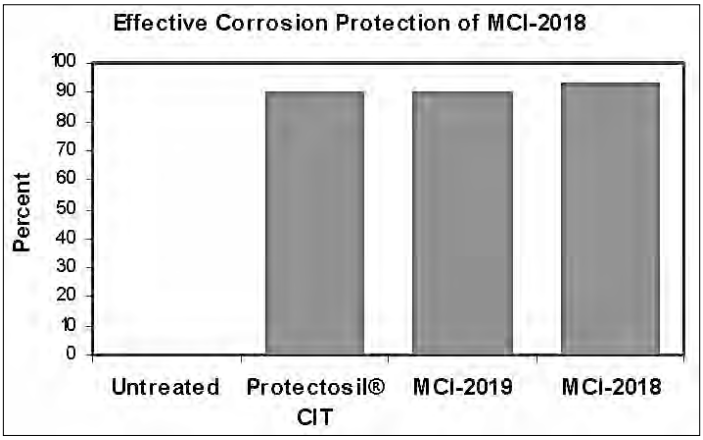
- ASTM C-672 Standard Test Method for Scaling Resistance of Concrete Surfaces Exposed to Deicing Chemicals
  - Results show little or no change after more than 50 cycles of freeze-thaw with the use of deicing salts on coated concrete samples.

- AASHTO T-259 Resistance of Concrete to Chloride Ion Penetration
  - Treated samples showed an 82.6% reduction in chloride ion penetration compared to the control. Depths from 0.5-1.0 inches contained negligible amounts of chloride ions.

- ASTM E-514 Water Penetration and Leakage Through Masonry
  - Treated samples had a 95% reduction in leakage rate compared to the control. Federal Specification SS-W-110C Water Repellency Single coat application at 125 ft2/gal (10 m2/l), resulted in a 0.39% water absorption; exceeding the 1.0% specification maximum.

As the graph indicates, MCI-2018 provides >92% protection from corrosion when compared to untreated concrete and outperforms the competitive products.

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