

MCI®-2019 W

DESCRIPTION

MCI®-2019 W is a one component, VOC compliant, clear, penetrating, breathable 40% water-based silane sealer, containing Cortec's migrating corrosion inhibitor technology. The sealer is composed of a stable 40% alkylalkoxy silane emulsion in water. MCI®-2019 W is specifically developed to protect new and existing concrete structures against the damaging effects of moisture intrusion, freeze/thaw scaling, and chloride-ion (salt) intrusion.

PACKAGING & STORAGE

When stored in original, airtight containers at or below 77 °F (25 °C),

MCI®-2019 W is available in 5 gallon (19 liter) pails and 55 gallon (208 liter) drums.

Shelf life: 2 years



HOW IT WORKS

MCI®-2019 W will penetrate the concrete and provide water repellency by chemically reacting with the cementitious substrate under proper application. Treated substrates are hydrophobic and retain their original appearance.

MCI®-2019 W's unique feature is its Migratory Corrosion Inhibitor action that allows this product to migrate through even the densest concrete structures. It seeks out embedded steel reinforcing bars to form a protective, monomolecular corrosion inhibiting coating.

WHERE TO USE

- Commercial Buildings
- Parking Decks/Garages
- Highways
- Bridge structures

ADVANTAGES

MCI®-2019 W offers engineers, owners, contractors, DOTs, and government agencies a time proven corrosion inhibiting technology that will extend the life of all reinforced concrete structures

- Protects against the harmful effects of corrosion by migrating into even the densest concrete
- Migratory inhibitor reduces further corrosion of the most rusted metals
- Easily applied by spray, roller, squeegee, or paint brush to any concrete surface, reducing the high cost of labor and equipment
- Non-toxic, contains no nitrites, phosphates, or chromates
- MCI®-2019 W silane sealer molecules are very small, allowing penetration into the smallest concrete pores
- Enhances the durability of reinforced concrete and increases surface abrasion resistance
- Blocks carbonation and chloride ion intrusion

- Allows concrete to breathe and vapor to diffuse; is not a vapor barrier
- Helps protect against acid and chemical attack
- No blushing, peeling, or yellowing
- Resistant to alkali attack

PHYSICAL PROPERTIES

Appearance	Milky white liquid
pH	0.3-11.3 (neat)
Density	7.9-8.1 lb/gal (0.95-0.97 kg/l)
VOC	<250 g/l

APPLICATION

Application to horizontal surfaces should be done in a flooding action using a low-pressure sprayer. Normal coverage rates are 125 - 175 ft²/gal (3.0 - 4.3 m²/l). Allow to fully dry before opening to traffic. For application to vertical surfaces, apply MCI®-2019 W to saturation with a low-pressure sprayer. Start at the bottom of the wall and work up.

Surfaces should be free of standing water, surface dirt, dust, oils, cured materials, and other contaminants prior to application. MCI®-2019 W should be applied to clean, dry surfaces. Surface, air, and material temperatures should be between 40-120 °F (4-49 °C) during application.

If a coating will be used over MCI®-2019 W, a 7 day period is recommended before coating, and a compatibility test should also be performed.

CONSIDERATIONS

MCI®-2019 W should not be used on structures under hydrostatic pressure. DO NOT apply when temperature is at or below 0 °C (32 °F), or expected to fall below this temperature within 8 hours after application. DO NOT thin. It is recommended to keep away from moisture and to avoid rain for 4 hours after application. Stir thoroughly before use. MCI®-2019 W performance is closely tied to the preparation of the substrate to be treated. See specification for full application instructions.

4119 White Bear Parkway, St. Paul, MN 55110
Phone (651) 429-1100
Toll Free (800) 4-CORTEC
productinfo@cortecvci.com
www.cortecvci.com
www.cortecmci.com



LIMITED WARRANTY

All statements, technical information and recommendations contained herein are based on tests Cortec® Corporation believes to be reliable, but the accuracy or completeness thereof is not guaranteed.

Cortec® Corporation warrants Cortec® products will be free from defects when shipped to customer. Cortec® Corporation's obligation under this warranty shall be limited to replacement of product that proves to be defective. To obtain replacement product under this warranty, the customer must notify Cortec® Corporation of the claimed defect within six months after shipment of product to customer. All freight charges for replacement products shall be paid by customer.

Cortec® Corporation shall have no liability for any injury, loss or damage arising out of the use of or the inability to use the products.

BEFORE USING, USER SHALL DETERMINE THE SUITABILITY OF THE PRODUCT FOR ITS INTENDED USE, AND USER ASSUMES ALL RISK AND LIABILITY WHATSOEVER IN CONNECTION THEREWITH. No representation or recommendation not contained herein shall have any force or effect unless in a written document signed by an officer of Cortec® Corporation.

THE FOREGOING WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER WARRANTIES, EXPRESS, IMPLIED OR STATUTORY, INCLUDING WITHOUT LIMITATION ANY IMPLIED WARRANTY OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN NO CASE SHALL CORTEC® CORPORATION BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.