



MIGRATING CORROSION INHIBITORS
FROM GREY TO GREEN

09 67 23	Resinous Flooring
09 96 56	Epoxy Coatings
09 97 23	Concrete and Masonry Coatings

MCI®-2026 Primer WB

DESCRIPTION

MCI®-2026 Concrete Primer WB is a proprietary, water-based, 2-component epoxy coating system that outperforms and outlasts most solvent-based sealer systems without the associated odors, flammability, or VOCs. MCI®-2026 Concrete Primer WB coating meets all of the USDA/FDA guidelines for use in federally inspected facilities. MCI®-2026 Concrete Primer WB can be used as a part of the MCI®-2026 flooring system or as a standalone coating system.

PACKAGING & STORAGE

MCI®-2026 Concrete Primer WB is available in 2.5 gallon (8.5 L) and 25 gallon (85 L). For larger kit sizes, contact Cortec® Customer Service.

To ensure best product performance, store in original packaging, indoors, and out of direct sunlight at 40-100 °F (4-38 °C).

Shelf life: 1 Year



HOW IT WORKS

By utilizing a unique water-based formulation, MCI®-2026 Primer WB provides a coating that has a low viscosity and no solvent odor. The low viscosity allows for greater substrate penetration, improved handling, and easier application, while the lack of odor makes MCI®-2026 Primer WB inoffensive during indoor applications.

WHERE TO USE

MCI®-2026 Concrete Primer WB can be used as either a primer or a standalone concrete sealer. As a primer, MCI®-2026 Concrete Primer WB forms a durable, consistent surface beneficial to many Cortec® MCI® coating systems. MCI®-2026 Concrete Primer WB has no offensive odor and meets all VOC/HAPS regulations, making it an excellent choice for indoor applications.

ADVANTAGES

- Meets all VOC/HAPS Regulations
- Meets USDA/FDA guidelines for use in federally inspected facilities
- Excellent adhesion and deep substrate penetration
- Easy to clean with soap and water immediately after use

PHYSICAL PROPERTIES

Property	Typical Values
Application Temperature and Humidity	60 °F (16 °C) to 85 °F (29 °C) at <70% R.H.
Mixing Ratio	1:4 (resin to hardener)
Coverage	180-250 ft ² /gal (4.4-6.1 m ² /L)
Working Time	25 minutes at 75 °F (24 °C)

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Working Time	25 minutes at 75 °F (24 °C)
Application Method	Straight squeegee and 3/8" nap roller (0.95 cm)
Recoat Time	1–3 hours
Cure Time – Foot Traffic	24 hours
Cure Time – Final Cure	7 days
Bond Strength	>300 psi w/concrete failure
Solids Content	52% (ASTM D2697)
UV Resistance	Good (QUV – ASTM G53)
Hardness (ASTM D2240)	79+ (Shore D)
VOC	<60 g/L (EPA Method 24)
Gloss	75 (50 Satin)
Flammability	Self Extinguishing (ASTM D635)

MIXING

Avoid mixing and application of this product if the floor temperature is below 55 °F (13 °C) or above 85 °F (29 °C). Also avoid application if the humidity is higher than 70% R.H. or lower than 25% R.H. The temperature of the floor, materials, and air in the area of the installation all play a role in how the product will apply and cure.

For 2.5 gallon (8.5 L) units: carefully pour entire contents of Part B container into Part A container. Do not change the ratio of A and B. Blend thoroughly for 3 to 5 minutes with a spiral mixing blade attached to a low-speed (400-600 rpm) electric drill. Take care not to induce air into the material when mixing, as this will cause bubbles in the coating when applied.

For bulk units: portion out 4 gallons (15.1 L) of Part A and 1 gallon (3.79 L) of Part B into a clean 5 gallon (19 L) pail. Blend in accordance with directions stated above.

SURFACE PREPARATION

Always apply MCI®-2026 Concrete Primer WB to clean/sound concrete that is free of laitance, grease, oils, debris, and curing compounds. Concrete substrates should be cured for a minimum of 28 days prior to application of product. Whenever possible, remove existing coatings and/or flooring systems completely; if complete removal is not possible, always perform tests to determine adhesion and compatibility to the existing flooring. Mechanical surface preparation to a minimum profile of CSP-2 by means of

a shot-blasting machine or rotary diamond grinder is the best and recommended preparation method for MCI®-2026 Concrete Primer WB applications. If the substrate is not properly prepared and the appropriate profile is not achieved, failure of the product to adhere to the substrate may occur.

APPLICATION

The recommended application of this product involves pouring it in a narrow line directly onto the concrete surface and then spreading it with a squeegee. Spread the coating in a continuous manner from one side of the area being coated to the other. Immediately follow with a 3/8" (0.95 cm) nap shed resistance roller. MCI®-2026 Concrete Primer WB must be rolled as evenly as possible. To do this, roll forward in a straight line and then roll the same column backwards to eliminate spike shoe marks. Overlap the next column to be rolled by 1/2" (1.27 cm) with the previously rolled column. Avoid excess agitation of the liquids with the roller. This will lessen chances of bubbling of the final film.

At 75 °F (24 °C) and 50% R.H., MCI®-2026 Concrete Primer WB has a useful working time (pot life) of approximately 20-30 minutes. Continued working beyond this time will result in variable results and therefore any mixed product beyond this time should be discarded.

COVERAGE

MCI®-2026 Concrete Primer WB should be applied at the rate of approximately 180-250 sq. ft per gallon (4.42-6.14 m²/L), which is between 6 to 10 wet mils (150–250 µm). As with all coatings, coverage is dependent on the smoothness and porosity of the surface.

FOR BEST RESULTS

- Do not thin this product
- Do not field pigment
- Do not apply when humidity exceeds 70% indoors
- Do not apply over 12 mils (305 µm) per coat or allow to puddle on the floor or in joints/cracks during application, as it will not cure properly
- Allow each coat to dry tack-free AND clear prior to recoating
- When re-coating, always apply the next coat within 24 hours of completing the previous coat
- When applying as a standalone clear concrete sealer the first coat may appear blotchy, so two coats are typically required for best appearance

Contact Cortec® Technical Service for further guidance.

MCI®-2026 Primer WB

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