

# MCI®-2026 Floor Coating

## DESCRIPTION

MCI®-2026 Floor Coating is a 100% solids, 2-component, novolac epoxy coating designed for concrete floors in environments that require a high degree of chemical or abrasion resistance. MCI®-2026 Floor Coating meets all of the USDA/FDA guidelines for use in all federally inspected facilities. MCI®-2026 Floor Coating is available in clear and can be colored with any MCI®-2026 HPCS colorants, if desired.

## PACKAGING & STORAGE

MCI®-2026 Floor Coating is available in 2.5 gallon (9.5 L) and 12.5 gallon (47 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 50-100 °F (10-38 °C).

Shelf life: 1 year



## HOW IT WORKS

By utilizing traditional novolac epoxy chemistry, MCI®-2026 Floor Coating achieves a high degree of physical and chemical resistance while maintaining excellent adhesion to properly placed primers. MCI®-2026 Floor Coating protects concrete surfaces from aggressive industrial environments and prevents the intrusion of corrosive elements which would otherwise attack cementitious materials and steel reinforcement.

## WHERE TO USE

MCI®-2026 Floor Coating can be used as a body/basecoat or as a topcoat. MCI®-2026 Floor Coating is recommended as a high-performance coating in applications with strict VOC limits, plants that are federally inspected, and areas that are subjected to heavy traffic and/or chemical spillage.

## ADVANTAGES

- Broad chemical resistance
- Abrasion resistant
- VOC compliant

## PHYSICAL PROPERTIES

Property	Typical Values
Mixing Ratio	1.5:1 (resin to hardener)
Viscosity (Once Mixed)	2200-3000 cP
Solids Content	100% (ASTM D2697)
Coverage	50-125 ft <sup>2</sup> /gal (1.23-3.07 m <sup>2</sup> /L)
Working Time	20-35 minutes at 75 °F (24 °C)

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Application Temperature	60-85 °F (15.5–29.4 °C)
Recoat Time	1.5–3.5 hours
Cure Time—Foot Traffic	24 hours at 75 °F (24 °C)
Cure Time—Chemical Ready	Minimum of 48 hours at 75 °F (24 °C)
Cure Time—Final Cure	7 days
Resin Flash Point (PMCC)	>392 °F (200 °C)
Hardness (ASTM D2240)	75–80 (Shore D)
VOC	0 g/L (EPA Method 24)

## DOSAGE

MCI®-2026 Floor Coating should be applied at the rate of approximately 50-125 ft²/gal (1.23-3.07 m²/L), which is between 13 to 32 wet mils (325–800 µm).

## SURFACE PREPARATION

Always apply MCI®-2026 Floor Coating 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 followed by application of an appropriate primer or base system is the best and recommended preparation method for MCI®-2026 Floor Coating 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.

## 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 1 gallon (3.8 L) of Part A and 1.5 gallon (5.7 L) of Part B into a clean 5 gallon (19 L) pail. Blend in accordance with directions stated above.

## APPLICATION

Apply using brush, roller, or squeegee. MCI®-2026 Floor Coating physical properties data is based on environmental temperatures of 75 °F (24 °C). Viscosity and working time are always affected by temperatures above or below that mark. When applying product always consider the ambient, surface, and product temperature at the time and place of installation.

At 75 °F (24 °C) and 50% R.H., MCI®-2026 Floor Coating has a useful working time (pot life) of approximately 20–35 minutes. Continued working beyond this time will result in variable results and therefore mixed product beyond this time should be discarded.

## FOR BEST RESULTS

- Do not thin this product
- Do not apply when humidity exceeds 70% indoors
- Do not 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 or clear prior to re-coating
- When re-coating, always apply the next coat within 24 hours of completing the previous coat

Contact Cortec® Technical Service for further guidance. Chemical resistance chart is available upon request.

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