

MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE



MCI® -2027 Primer

PRODUCT DESCRIPTION

MCI® -2027 Primer is a single component roll-on amine base/coat primer. MCI-2027 Primer has excellent adhesion and wetting capability on a variety of substrates. MCI-2027 Primer is designed to work as system with MCI-2027 Polyurea coating but also works well with other urethane and polyurea coating systems.

RECOMMENDED USES

MCI® -2027 Primer is the recommended primer for MCI-2027 Polyurea coating for inside or outside use.

COVERAGE

Coverage rate is subject to substrate condition

3-5 mils DFT = 275-325 ft²/gal

SURFACE PREPARATION

The substrate must be clean, dry and sound with new concrete cured for at least 30 days at 70°F (21°C). Remove dust, laitance, grease, curing compounds, waxes, foreign particles, disintegrated or soft base materials, and any previously applied potentially incompatible coatings. Blast to create a surface profile on concrete.

FOR BEST RESULTS

- New concrete must cure for at least 30 days at 70°F (21°C)
- Do not thin the MCI® -2027 Primer coating
- Do not allow material to puddle during application
- Allow each coat to dry tack-free before recoating
- Allow each coat within 24 hours of previous coat
- Do not apply heavier than recommended wet film thickness
- Apply at temperatures above 50°F (10°C)
- Store product at temperatures around 60°F (15°C)

MIXING

Hand mix in the container prior to application. Apply a maximum thickness of 5-10 mils DFT. Recommended application rate is 3-5 mils DFT. MCI-2027 Primer can be recoated in 1½ - 3 hours

depending on environmental conditions and temperature. Keep container closed to avoid contamination.

APPLICATION

MCI-2027 Primer can be applied by using a 3/16" Nap Mohair roller with a solvent resistant core. A low nap roller is recommended to minimize air entrapment during application. MCI-2027 Primer can also be applied using a 1/16" V-notch squeegee and then back rolled. MCI-2027 Primer can be applied using an airless sprayer. Consult a Cortec Corporation representative for process guidelines.

CHEMICAL RESISTANCE ASTM D543 (24 hour full emersion)

Sulfuric Acid 10%	E
Sulfuric Acid 30%	F
Citric Acid	E
Isopropyl Alcohol 99%	P
Aviation Fuel	G
Diesel Fuel	E
Gasoline	E
Ammonia	E
Sodium Hydroxide	E
Sodium Hypo Chlorite 5%	E
Lactic Acid	F
Tire	E
Brake Fluid	F
Sulfuric Acid (Battery, Acid)	G

Ratings:

- E = No Effect
- G = Limited Effect
- F = Moderate Effect
- P = Unsatisfactory



PHYSICAL PROPERTIES

VOC Content	250 grms/ltr
Shelf Life	1 year
Re-coat time	2-12 hours
Foot traffic	10 hours
Wheel traffic	basecoat
Tack free at 72°F (22°C)	2-3 hours
Total Solid content	72%
Elongation	60%
Tensile (psi)	2800 (clear)
Color stability	Aromatic
Tear	520 lbs/in
Hardness	95A
Permeability	0.053 WVT
Burn Rate ASTM D635 cm/min (typical)	1.52

SET TIMES

Initial set times	1-2 hours
Tack free at 72°F (22°C)	2-3 hours
Return to service	6-10 hours
Wheel traffic	4-7 days

TESTING

ABRASION RESISTANCE ASTM 4060-90
Taber Abrader CS-17 Wheel 12.0 mg loss
1000 gm / 500 cycles

PACKAGING

MCI®-2027 Primer is available 55 gallon (208 liter) drums.

FOR INDUSTRIAL USE ONLY

KEEP OUT OF REACH OF CHILDREN

KEEP CONTAINER TIGHTLY CLOSED

NOT FOR INTERNAL CONSUMPTION

CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION

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