



Technical / Procedural Bulletin

No. 61 MCI® April 2011

Gill 61 MCI® - Gill Hard

Type: Gill 61 MCI® is a silica based solution enhanced with Cortec's MCI® 2000 migrating corrosion inhibitor. With release penetrating surface active agents, this product provides maximum penetration and solubility in existing and new concrete.

Intended Use: Gill 61 MCI® is a surface applied, penetrating corrosion inhibitor and pore blocker for new and existing concrete that provides a significant decrease in wear from abrasion. Gill Hard protects reinforcing steel, carbon steel, galvanized steel, and other concrete embedded metals from corrosion induced by carbonation, chloride, and atmospheric attack. It is also effective on new concrete or concrete already containing corroded reinforced steel. Gill 61 MCI® will displace rust on embedded rebar and will protect from further corrosion.

Application:

SEALING EXISTING CONCRETE: Surface must be first cleaned thoroughly by high pressure (4000 psi or greater) or by using Gill 27 Etch N Kleen. See Technical Bulletin No. 27 for additional information. Maximum penetration is achieved after removal of organic and hydrocarbon contaminants. Apply Gill 61 MCI® Gill Hard to clean and dry concrete. Application methods include spraying by using low pressure (i.e., garden sprayer), roller, or lamb's wool applicator. **However, spray method is recommended.** Spray Gill 61 MCI® onto surface and keep wet with Gill 61 MCI® for 45 minutes. If an area dries before this time has elapsed, re-wet using Gill 61 MCI®. After about one hour, flush surface with water. Wait until dry then apply a second coat of Gill 61 MCI®. Any remaining damp spots after 24 hours should be flushed with water.

FRESHLY POURED CONCRETE: Although not an ASTM approved curing compound, concrete treated with Gill 61 MCI® will properly cure newly replaced concrete, plus provide a dense waterproof surface. After concrete has received final trowel, spray Gill 61 MCI® over entire surface. Reapply after 24 hours.

Government Agency Acceptance:
N/A

Test Data: Test conducted by certified independent test laboratories.

- Absorption-
31% lower than untreated concrete
ASTM C-642-90
- Abrasion Resistance-
65% increase in abrasion and impact
resistance
ASTM C-418

Coverage: One gallon of Gill 61 MCI® Gill Hard will cover up to 150 square feet with two applications, depending on porosity of concrete

Shelf Life: Stored in a sealed container, shelf life is 12 months. Do not allow to freeze.

Shipping Weight: 11.1 lbs. per gallon, not including container. Standard packaging is a 5 gallon container, but 55-gallon drums are also available.

Volatile Organic Compounds: None.

Safety Precautions: See Manufacturer's Safety Data Sheet.

Equipment: Use all recommended safety equipment for all personnel. For application use pressurized sprayer. If desired, Gill 61 MCI® may be applied using a roller or lamb's wool applicator.

Please contact a Gill representative for your specific applications.

MCI® is a registered trademark of the Cortec Corporation, St. Paul, MN.

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