



Technical Bulletin

No. 29 2014

Gill 29 Gill Crete

Type: A specially formulated, portland based all-purpose bag mix to be used only with Gill 33® or Gill 33 MCI® admixture. This sand / cement blend can be placed in horizontal and vertical patch applications. All references to Gill 33® also include the MCI® variant.

Intended Use: Patches and overlays done with Gill 29 permanently repairs cracks, spalls, holes, and any other deterioration of existing concrete. Gill 29 can also be extended on the job site to increase yield. Industrial plant floors and equipment supports, parking garage decks, wastewater treatment plants, chemical and petroleum secondary containment systems, and pump bases are among the many possible applications. Gill 29 eliminates lengthy and costly downtime. When used as a concrete overlay, it bonds to existing concrete, produces high early strength, and is cost effective. Gill 29 allows concrete to be coated in 24 hours instead of the normal 28-day curing time. This 24 hour coatability applies to patches, overlays, and full depth pours.

Government Agency Acceptance: N/A

Coverage: One cubic foot of Gill 29 Horizontal Vertical Mix provides the following coverage:

Thickness	Square Feet	Course Aggregate
.500"	24	No
1.00"	12	Optional
2.00"	6	Optional
4.00"	3	Optional

Shelf Life: Store in a dry location for six months.

Shipping Weight: 80 pounds.

Volatile Organic Compounds: None.

Safety Precautions: See Manufacturer's Safety Data Sheet.

Equipment: Mixing equipment of either small or large portable mixers. Blasting mechanisms capable of course grit, several stiff hand brushes, trowels, plastic / burlap, several 1 & 5 gallon buckets plus general masonry equipment. Air compressor and air-hammer are highly recommended if needed. Use all recommended safety equipment for all personnel.

Test Data: Test conducted by certified independent test laboratories.

Compression Strength

ASTM C-109

580 PSI @ 5 hours
3,080 PSI @ 1 day
5,210 PSI @ 4 days
5,730 PSI @ 7 days
7,390 PSI @ 28 days

Flexural Strength

ASTM C-78

710 PSI @ 14 days
28 day results due in Feb. 2002

Splitting Tensile

ASTM C-496

290 PSI @ 28 days

Length Change

ASTM C-157

+0.012 % change @ 30 days
+0.015% change @ 90 days
+0.036% change @ 120 days

Please contact a Gill representative for your specific applications.

MCI® is a registered trademark of the Cortec Corporation, St. Paul, MN.
Gill 33® is a registered trademark of Gill Industries, Inc., Lancaster, SC.

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