

Technical Bulletin

No. 8 2014

Gill 8 Horizontal / Vertical Mix

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

Intended Use: Patches and overlays done with Gill 8 permanently repairs cracks, spalls, holes, and any other deterioration of existing concrete. 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 8 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 8 allows concrete to be coated in 24 hours instead of the normal 28-day curing time.

Government Agency Acceptance: N/A

Coverage: One cubic foot of Gill 8 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: 50 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 coarse 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

6,130 PSI @ 1 day
11,080 PSI @ 3 days
13,190 PSI @ 7 days
13,220 PSI @ 28 days

Flexural Strength

ASTM C-78

635 PSI @ 14 days
720 PSI @ 28 days

Splitting Tensile

ASTM C-496

1,000 PSI @ 28 days

Length Change

ASTM C-157

-0.001% change @ 28 days
+0.023% change @ 55 days
+0.033% change @ 90 days
+0.037% 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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