

GUN-RITE 10000 FEATURES

- Proven "Gun-Rite" Durability
- Very Low Rebound & Low Waste
- High Strength – Over 10,000 PSI
- Silica Fume Enhanced
- Factory Blended – One Component
- Portland Cement Based
- Extremely Durable
- Custom Colors Available

WHERE TO USE

- Large and Small Structural Repairs
- Bridge Repairs
- Parking Garage Restoration
- Interior or Exterior Surfaces
- Wastewater Tanks
- Slope Stabilization
- Mines or Manholes

GUN-RITE 10000

Gun-Rite 10000 is a complete high performance shotcrete mix that is simply mixed with water to give durability and consistency. **Gun-Rite 10000** contains cement, aggregate and the widely used "Gun-Rite" Formulation to assure quality and durability.

Product Description

Gun-Rite 10000 is a special blend of cements, aggregates, silica fume, alkaline resistant fibers, water reducers, air entrainment and exclusive modifiers. Designed for general-purpose and high performance wet or dry shotcrete/gunite applications.

Gun-Rite 10000 Packaging and Yield

60 lb. Heavy-duty polyethylene bag: 0.5 cubic feet
3000 lb. Bulk Bag: 25 cubic feet

For Best Results

Apply Gun-Rite enhanced shotcrete above 40° F. Follow ACI guidelines for preparation, shooting and curing. Use approx. 3 quarts water per 60 lb. of product. Water may vary depending on equipment.

Technical Data

| | | | |
|--|--------|----------------------|------------|
| Compressive strength | 28 day | Exceeds 10,600 psi | ASTM C39 |
| Compressive strength | 7 day | Exceeds 7,400 psi | ASTM C39 |
| Compressive strength | 3 day | Exceeds 5,500 psi | ASTM C39 |
| Flexural strength | 28 day | Exceeds 1,300 psi | ASTM C78 |
| Freeze / Thaw Durability: | | Excellent 300 cyl | ASTM C666 |
| (Illinois Dept. of Transportation - passed with 0% loss) | | | |
| Tensile Bond Strength | | Exceeds 200 psi | ACI 503 R |
| Rapid Chloride Permeability: | | Excellent | ASTM C1202 |
| | | (Below 560 Coulombs) | |
| Drying Shrinkage: | | Minimal | |
| Air Content (wet method shotcrete) | | 4 to 7% | ASTM C231 |

Reasonable variations for the above data can be expected depending on field conditions, surface preparation, curing, contractor expertise and evaluation and/or handling of test cylinders. Contact JE Tomes for additional details

LIMITED WARRANTY

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Surface Preparation

Remove all unsound or delaminated concrete and ¾ inch minimum clearance behind corroded reinforcing steel. The perimeter of the area to be patched should be tapered toward the center at approximately 45° or saw-cut to a minimum depth of ¼ inch. After concrete removal and prior to placement, mechanically abrade the concrete surface such as sand blasting to remove all bond-inhibiting materials from the concrete substrate. Apply JE Tomes approved coating to any exposed reinforcement if a coating is specified. Presoak prepared concrete surface to provide a saturated surface dry (SSD) condition.

Mixing Guidelines

Add approximately 3 quarts of clean water per 60 lb. bag of **Gun-Rite 10000**. Always add dry powder into water. Mix with mortar mixer or force action mixer, hold back 1 part water and mix for 2-3 minutes. Add remaining water to the mix as needed and mix until desired consistency is achieved.

Application

Apply in accordance with ACI 506R "Guide to Shotcrete." After achieving a SSD condition, apply product while taking consideration for rebound and compaction around reinforcing steel. Shoot material at 90 degrees to the surface whenever possible. If multiple lifts are being used, apply succeeding lift after first lift has reached final set. If succeeding lift is not promptly placed, keep the surface moist. Cut off or level as required.

Curing

Rapid drying of cement-based products may cause cracking or de-bonding. Avoid applications in high winds, excessive heat or blowing air directly on freshly placed product. Apply approved curing compound, or moist cure a minimum of 7 days. Contact JE Tomes if you have any questions or particular concerns with your application.

Applicable Standards

| | |
|--------------------|-------------|
| CEMENT: | ASTM C 150 |
| AGGREGATE: | ASTM C 33 |
| WATER-REDUCING: | ASTM C 1141 |
| AIR-ENTRAINING: | ASTM C 1141 |
| NATURAL POZZOLANS: | ASTM C 618 |
| SILICA FUME: | ASTM C 1240 |
| FIBERS: | ASTM C 1116 |



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