

GUN-RITE 475 HP FEATURES

- Proven “Gun-Rite” Durability
- Very Low Rebound & Low Waste
- Easy Shooting and Finishing
- High Strength – Over 6,500 PSI
- High Reactive Pozzolan Enhanced
- Extremely Durable
- Portland Cement Based
- Factory Blended – One Component

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 475 HP

Gun-Rite 475 HP is a complete high performance shotcrete mix with proven durability and consistency. **Gun-Rite 475 HP** contains cement, aggregate, and a proprietary blend of modifiers. The widely used “Gun-Rite” formulation assures quality and durability.

Product Description

Gun-Rite 475 HP is a special blend of cement, aggregate, high reactive pozzolans, alkaline resistant fibers, water reducers, air entrainment, and exclusive modifiers. Designed for general-purpose and high performance wet method shotcrete applications.

Gun-Rite 475 HP 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 6,500 psi	ASTM C109
Compressive strength	7 day	Exceeds 5,000 psi	ASTM C109
Compressive strength	1 day	Exceeds 3,000 psi	ASTM C109
Flexural strength	28 day	Exceeds 1,200 psi	ASTM C348
Freeze / Thaw Durability:		Excellent 300 cyl	ASTM C666
Slant Shear Strength:		Exceeds 2,500 psi	ASTM C882
Rapid Chloride Permeability:		Very Low	
Resistivity:		Below 7000 □-cm	
Air Content (wet method shotcrete)		4 to 7%	ASTM C231
Splitting Tensile:		Exceeds 700 psi	
Water Absorption:		Excellent – Below 5%	
Wet Density:	Fresh Mix	132 pcf	
Shrinkage:	Minimal	.01%	ASTM C157
Working Time	Fresh Mix	Up to 45 Min.	

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

JE Tomes & Associates, Inc. warrants its products to be free from manufacturing defects, and will deliver, at no charge, an equal amount of packaged product as that amount proven to be defective when applied in accordance with manufacturer's written directions by contractors experienced in this application, and used in applications recommended by the manufacturer as suitable for the product. All claims concerning product defects must be made within twelve (12) months of use of the product. THERE ARE NO OTHER WARRANTIES BY JE TOMES & ASSOCIATES, INC. OF ANY NATURE WHATSOEVER, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IN CONNECTION WITH PRODUCTS WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. Buyer's sole and exclusive remedy for breach of any warranty shall be replacement of defective product. JE Tomes & Associates, Inc. shall not be liable for any damages, including consequential damages, except as otherwise set forth therein.

Surface Preparation

Remove all unsound or delaminated concrete and provide ¼ inch minimum clearance behind exposed 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 with a method such as sand blasting to remove all bond-inhibiting materials from the concrete substrate. Apply **JE Tomes B-1 Rebar Coating** or 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 475 HP**. If desired, add up to 2 oz of **Gun-Rite SuperFlo** per bag to increase flow and reduce water demand. 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. For thicker lift applications, **Gun-Rite Accelerator** is recommended. 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 260
HIGH REACTIVE / NATURAL POZZOLANS:	ASTM C 618
FIBERS:	ASTM C 1116
PACKAGING & Performance	ASTM C 1480



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