



# Gun-Rite™ 5000 XTRA

 Includes corrosion inhibitor

## Repair Thickness

Tapered to 5"

## Set Time

30 minutes

## Application Technique

Spray

## Where to Use

- Large and small structural repairs
- Bridge repairs
- Parking garage restoration
- Interior or exterior surfaces
- Wastewater tanks
- Slope stabilization
- Mines or manholes

## Features

- Minimum shrinkage
- Department of transportation approved
- Very low rebound & low waste
- High strength—Over 7500 psi
- High reactive pozzolan enhanced
- Low resistivity
- Portland cement based
- Factory blended—One component
- Corrosion inhibitor included

## Packaging and Yield

60 lb heavy duty polyethylene bag	0.5 cu ft
3000 lb bulk bag	25 cu ft

## Product Description

**Gun-Rite 5000 XTRA** is a complete high performance wet method shotcrete mix, factory blended and packaged to ensure consistency and reduce on site mixing and labor. **Gun-Rite 5000 XTRA** contains cement, aggregate, corrosion inhibitors and a proprietary blend of modifiers. The widely used "**Gun-Rite**" formulation assures quality and durability.

**Gun-Rite 5000 XTRA** is a special blend of cement, aggregate, high reactive pozzolans, alkaline resistant fibers, corrosion inhibitors, water reducers, air entrainment, and exclusive modifiers. Designed for general purpose and high performance wet method shotcrete applications.

## For Best Results

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

## Surface Preparation

Remove all unsound or delaminated concrete and provide ¾" 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". 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 2½ to 3 qt of clean water per 60 lb bag of **Gun-Rite 5000 XTRA**. Always add dry powder into water. Mix with mortar mixer or force action mixer; hold back 1 part water and mix for 2 to 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 the succeeding lift after the first lift has reached final set. If the 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.



# Gun-Rite™ 5000 XTRA

## Technical Data

<b>Compressive strength, 28 day</b>	Exceeds 7500 psi	ASTM C109
<b>Compressive strength, 7 day</b>	Exceeds 5000 psi	ASTM C109
<b>Compressive strength, 1 day</b>	Exceeds 3000 psi	ASTM C109
<b>Flexural strength, 28 day</b>	Exceeds 1200 psi	ASTM C348
<b>Freeze/thaw durability</b>	Excellent, 300 cyl (Illinois Department of Transportation—passed with 0% loss)	ASTM C666
<b>Slant shear strength</b>	Exceeds 2500 psi	ASTM C882
<b>Rapid chloride permeability</b>	Very low	
<b>Chloride content</b>	0.03%	ASTM C1218
<b>Resistivity</b>	Below 7000 cm	
<b>Air content</b>	4% to 7%	ASTM C231
<b>Splitting tensile</b>	Exceeds 700 psi	
<b>Potential alkali reactivity of aggregates</b>	Minimal, 0.001%	ASTM 1260
<b>Water absorption</b>	Excellent, below 5%	
<b>Wet density</b>	Fresh mix, 132 pcf	
<b>Shrinkage</b>	Minimal, 0.01%	ASTM C157

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.

## Applicable Standards

<b>Cement</b>	ASTM C 150
<b>Aggregrage</b>	ASTM C 33
<b>Water-reducing</b>	ASTM C 1141
<b>Air-entraining</b>	ASTM C 260
<b>High reactive / Natural pozzolans</b>	ASTM C 618
<b>Fibers</b>	ASTM C 1116
<b>Packaging &amp; performance</b>	ASTM C 1480

### 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.