

# SHOTCRETE 300

## Description

ProSpec<sup>®</sup> Shotcrete 300 is a blend of hydraulic cement, silica fume and well graded aggregates.

## Features

- Exceeds ASTM C 1480
- Economical
- Convenient
- Reduces rebound
- Greater overhead thickness
- Reduces sagging and sloughing

## Uses

- Bridge repair
- Culverts
- Dam repair
- Parking deck repair
- Slope stabilization
- Pool construction
- Mines
- Tunnels

## Technical Data

### Compressive Strength ASTM C 42

3 days	4,000 psi (27 MPa)
7 days	6,000 psi (41 MPa)
28 days	8,000 psi (55 MPa)

### Flexural Strength ASTM C 78

1,000 psi (7 MPa)

### Rapid Chloride Permeability ASTM C 1202

369 coulombs

Typical results at 70° F (21° C)

## Preparation

All concrete surfaces must be structurally sound. Remove all loose or unsound concrete, as well as surface contaminants such as oil, grease or paint to ensure good bond. All repair

areas should have a minimum of 1/2" (13 mm) depth. Flush entire area with water to remove all loose debris or dust. Leave no standing water.

## Refer to

- ACI 506 [Guide to Shotcrete](#)

## Placement

Add Shotcrete 300 to the pneumatic equipment and apply according to ACI 506 "Guide to Shotcrete". Be

sure not to over water Shotcrete 300. Always maintain a .1 maximum water to mix ratio.

## Refer to

- ACI 506 [Guide to Shotcrete](#)

## Finishing and Curing

Follow standard concrete finishing procedures.

# SHOTCRETE 300

## Coverage

Yield 0.63 ft<sup>3</sup> (0.02 m<sup>3</sup>) per 80 lb. bag (36.3 kg)

## Packaging

80 lb. (36.2 kg) bag or 2,000-3,000 lb. bulk (907 kg-1360 kg) bag

## Caution

KEEP OUT OF REACH OF CHILDREN AND ANIMALS.

WARNING: MAY BURN OR IRRITATE EYES AND SKIN

Avoid contact with eyes and skin. This product contains hydraulic cement. When mixed with water it results in a solution that is highly alkaline and may burn or irritate the eyes or skin. Wear safety glasses or goggles, protective

clothing, shoes and gloves. Do not take internally. Avoid breathing dust. This product contains crystalline silica. Prolonged exposure to crystalline silica dust is known to cause lung cancer or delayed lung injury, including silicosis. Take measures to eliminate or control dust. For prolonged exposure to dust wear a respirator approved for protection against crystalline

silica dust. Crystalline silica has been classified by the state of California, IARC and NTP as a carcinogen.

Read and understand the Material Safety Data Sheet (MSDS) and ACI 506 "Guide to Shotcrete" before using this product.

## First Aid

If swallowed drink one or two glasses of water to dilute. Do not induce vomiting unless directed to do so by medical personnel. Get immediate medical attention. In case of eye contact, flush eyes

thoroughly with clean water for a minimum of 15 minutes and get prompt medical attention; for skin contact wash with soap and water. Read the MSDS prior to use.

For additional information call Bonsal American at 704-525-1621 or CHEMTREC at 800-424-9300 or 703-527-3887 outside of the USA.

LIMITED 1 YEAR WARRANTY FROM DATE OF MANUFACTURE: Bonsal American warrants that this product and the materials used therein meet or exceed the applicable standards listed and enforced at the time of manufacture. Bonsal American will replace any product or part which proves defective due to quality of ingredients used or due to the manufacturing process itself. This Warranty shall apply only if the product is used in strict accordance with applicable specifications and instructions provided by Bonsal American for its use, and Bonsal American shall not be liable otherwise. Replacement of any defective product, or, at Bonsal American's option, refund of the purchase of any defective product shall be the buyer's sole remedy under this Warranty, and Bonsal American shall in no event be liable for any damages in excess of the purchase price of the defective product. BONSAL AMERICAN SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES INCLUDING LOSS OF PROFITS OF ANY KIND.

Product demonstrations are done for illustrative purposes only and do not constitute a warranty or warranty alteration of any kind. This Warranty constitutes the sole warranty given by Bonsal American in connection with this product. No modification of this Warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of Bonsal American. Bonsal American has authorized no person to make or give any other warranties or representation, oral or written on its behalf. IN PARTICULAR, THERE ARE NO IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

ProSpec<sup>®</sup> is the registered trademark of Sakrete of North America.  
8201 Arrowridge Blvd. Charlotte, NC 28273 • www.prospec.com • E-Mail: prospec@oldcastleapg.com