



# SHOTCRETE DOT

## MANUFACTURER

A.W. Cook Cement Products  
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## GENERAL USES

SHOTCRETE DOT meets the requirements for type FA Grade FR class 1 according to ASTM C 1480. Designed for wet or dry shotcrete applications to repair deteriorated concrete, where a high density overlay is required.

## FEATURES

- Microsilica modified
- May receive coatings in as few as 48 hours
- May be applied overhead, vertically and horizontally above or below grade.
- Superior adhesion.
- Vapor permeable.
- Ready to use, no field batching.
- Very low porosity.
- Excellent resistance to freeze/thaw cycling and chemical attack.
- Low shrinkage.
- High structural properties.
- Low rebound formulation.
- High abrasion resistance.
- Corrosion Inhibitor

## INSTRUCTIONS FOR USE

**Surface Preparation:** All surfaces must be clean and free of dirt, dust, paint, sealers, coatings, loose material, adhesives, curing compounds or any material that will inhibit patching material from coming in contact with the concrete pores. Removal of any anti adherents or loose materials must be accomplished mechanically. For proper adhesion, the concrete must have a fractured aggregate profile. For application with dry shotcrete equipment only.

**Application:** Dampen the surface thoroughly with clean water to SSD condition or use an epoxy bonding agent with an extended tack time

**Curing:** Damp cure or utilize a curing compound conforming to ASTM C-309.

**Limitations:** Ambient and surface temperatures must be 38 F. or above during application. Protect from rain until initial set has been achieved.

Minimum thickness: 1/2 inch. Maximum thickness 4 inches in successive applications.

## PACKAGING

55 pound bag,

## COVERAGE

55 lbs. = approx .39 cu.ft.

## STORAGE AND HANDLING

**Shelf Life:** 12 months in the original unopened container.

**Storage:** Store in a dry area away from direct sunlight. The product should be conditioned to between 40 F and 95 F before use.

## PRECAUTIONS

Contains Portland cement; avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush with water for 15 minutes, Consult a physician immediately. Keep out of reach of children. Contains free silica - DO NOT breathe dust. May cause delayed lung injury. Follow OSHA safety and health standards for crystalline silica (quartz). See material safety data sheet for detailed information.

**Spills:** Collect in appropriate container. Uncured material may be removed with water.

**Disposal:** Dispose of in accordance with local, state or federal regulations.

## TECHNICAL DATA

Compressive Strength ASTM C-109  
7days 5710 psi  
28days 7700 psi

Flexural Strength  
ASTM C-78(mortar mod.)  
7 days 900 psi  
28 days 1100 psi

Splitting Tensile Strength ASTM C-496 Mortar	Water Absorption ASTM C-642
7 days 350 psi	28 days 1.0%
28 days 500 psi	

Bond Strength ASTM C-882 Modified	Residual Strength ASTM C-1399
1 day 800 psi	28 days 100 psi
7 days 1790 psi	
28 days 2100 psi	