



# SHOTCRETE HS

## MANUFACTURER

A.W. Cook Cement Products  
242 Amy Industrial Lane  
Hoschton, GA. 30548  
Phone (706) 654-3677  
Fax (706) 654-3662

## GENERAL USES

Designed for 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

Approx. .39 cu. Ft. per bag

## 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

1day	2200 psi
7days	4500 psi
28days	7700 psi

Flexural Strength

ASTM C-78(mortar mod.)

7 days	950 psi
28 days	1000 psi

Splitting Tensile Strength

ASTM C-496 Mortar

7 days	330 psi
28 days	460 psi

Bond Strength

ASTM C-882 Modified

1 day	910 psi
7 days	1980 psi
28 days	2300 psi

Water Absorption

ASTM C-642

28 days	1.0%
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Chloride Permeability

ASTM C-1202

600 Coulombs