



SHOTCRETE HE

MANUFACTURER

A.W. Cook Cement Products
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GENERAL USES

Designed for wet or dry Shotcrete applications to repair deteriorated concrete when a faster strength gain is desired.

FEATURES

- May be applied overhead, vertically and horizontally above or below grade.
- Superior adhesion.
- Vapor permeable.
- Ready to use, no field batching.
- Low shrinkage.
- High structural properties.
- Low rebound formulation.
- High abrasion resistance.
- No added chlorides.
- Contains 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.

Dampen area before application to a saturated, surface dry (SSD) condition before application. Or use a suitable epoxy bonding agent with an extended tack time.

Curing: Shotcrete HE must be damp cured or receive 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,

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	
8 hours	500 psi
1day	3800 psi
7days	4825 psi
28days	5960 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

Coverage Approximately .39 cubic feet per unit.