



# SHEP CRETE

## FINISHING MATERIAL

### DESCRIPTION

Shep Crete is a Portland Cement based product with graded silica aggregates and special chemical additives for bonding, hardening and moisture retention. It is formulated for smoothing, rubbing and thin coat patching applications. Shep Crete has a smooth, rich texture making it simple and easy to apply. After curing, it is not water sensitive, it has the setting and curing properties of regular concrete. Use of Shep Crete can help your project earn LEED Credits. Contact factory for details.

### PRIMARY APPLICATIONS

- Brighten and restore old concrete structures.
- Rub concrete columns and structures.
- Repair voids, honeycombs, holes, chipped areas in poured or precast concrete.
- Fill cracks and holes in concrete, masonry, plaster, stucco, sheetrock and wood.
- Use Shep Crete to repair concrete, facings, walls, ceilings, beams and bridge abutments.
- Use Pure Shep Crete for smooth applications up to 1/8" thickness.
- Use Sand Mix Shep Crete for coarser texture finish and applications up to 1/4".

### FEATURES & BENEFITS

- Featheredgeds to paper thin
- Color controlled to blend with concrete
- Add only water
- Cures like regular concrete
- Not a gypsum product
- Low shrinkage
- Water resistant
- Extra rich for easy installation
- Holds moisture while spreading or rubbing
- LEED Credits Applicable

### DIRECTIONS FOR USE

**Surface Preparation:** All surfaces must be clean and structurally sound; free of dust, grease, oil, paint, sealers, cures, form release agents, etc. Pores of the concrete surface must be open to permit proper bonding, especially on fresh "green" concrete. Any necessary surface preparation may be done by sandblasting, waterblasting, scarifying or acid etching. If acid etch is used, the surface must be neutralized and brushed thoroughly. In hot, arid or windy weather, dampen surface first and apply Shep Crete while surface is damp only, not wet.

**Mixing:** Add Shep Crete to water, using only enough water to make a stiff mixture like soft, creamy putty. Shep Crete may be mixed by hand or with a paddle mixer and a low speed drill. Be careful not to trap air in Shep Crete. Water required is typically 1-1/4 to 1-1/2 gallons per 40 lb. bag. Use of excessive water will reduce strength, cause crazing and may cause dusting under rapid drying conditions. For surfaces which are slick due to forming with steel or fiberglass forms or to get a harder and tougher surface, replace one-half of mixing water with Shep-Patch Plus Acrylic Polymer or one-third of mixing water with Acrylic-Bond. This will also aid in curing Shep Crete during rapid drying conditions

**Behavior of Shep Crete :** Shep Crete holds its own moisture and does not dry out as it is spread. The best temperature for application is around 70°F. Shep Crete cures harder in time from moisture in air. It is not water sensitive after complete curing. Shep Crete is designed for thin finish coats, for featheredging, honeycombs, etc. Apply test samples under job conditions to be sure you get the results your job requires. Paint and other coatings may be applied to Shep Crete just as over concrete. Normal concrete pigments may be added to Shep Crete to match desired color.

**Application - Walls:** Shep Crete is normally applied to walls with a sponge float or trowel in a smooth uniform coat. Tight confined holes can be filled as is with Shep Crete. All broad deep areas to be repaired must be brought up within 1/8" of

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finish, using Shep-Patch Plus. Then use Shep Crete to fill in smaller low areas and holes. Next apply a thin finish coat of Shep Crete over entire surface involved. Press on finish coat and work in with sponge float or trowel. Apply second coat, if needed, while first coat is still damp. Apply in a continuous operation for more uniform shade. Avoid applying in direct sun on a hot day.

**Curing:** Mist spray with water once or twice the day of application, again next day and several times thereafter. In rapid drying conditions when mist spraying is not used, moisture can be pulled out before Shep Crete can complete hydration and hardening. Normally Shep Crete will give a smooth surface that does not require sanding. If Shep Crete is applied under rapid drying conditions, sanding and removing the hard surface may leave a softer layer of Shep Crete. Usually water misted on the surface will cause it to complete hydration. If not an application of Shep-Patch Plus Acrylic Polymer or Acrylic-Bond, will harden the surface. Protect from rain or excess wetting for 24 hours.

#### PRODUCT SPECIFICATIONS

- **MATERIAL:** Portland Cement based product with special chemical additives. Then and restore old concrete structures.
- **CONSISTENCY:** Mix to stiff trowelable consistency like soft putty.
- **WORKING TIME:** Approximately 15 minutes.
- **FCOMPRESSIVE STRENGTH (ASTM C-109, Moist Cured)**
  - 7 Days.....3,285 PSI
  - 28 Days.....3,915 PSI
- Tests performed on Sand Mix Shep Crete. The strength of Pure Shep Crete is approximately 10% less.

#### COVERAGE/YIELD

One (1) 40 lb. bag of Shep Crete will cover approximately 40 sq. ft. at 1/8" thickness.

#### PACKAGING

Shep Crete is packaged in 40 lb. moisture resistant bags. There are seventy (70) 40 lb. bags per pallet and sixty (60) 30 lb. cartons per pallet.

#### PRECAUTIONS

- **DO NOT USE WHEN SUBSTRATE OR AIR BELOW 40°F.**
- Shep Crete should be cured before being subjected to freezing.
- **DO NOT use PVA bonding agents with Shep Crete.**
- Contact the factory before using other bonding agents with Shep Crete.
- Never retemper Shep Crete.
- **DO NOT USE calcium chloride with Shep Crete.**

**CONTAINS PORTLAND CEMENT.** Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. In case of eye contact, flush with plenty of water for at least 15 minutes. Consult a physician immediately. Keep out of reach of children.

**CONTAINS SILICA SAND AND FREE SILICA.** Do not breathe dust. Avoid inhalation by wearing respirator. Continuous exposure and inhalation may cause silicosis and crystalline silica is classified as a known human carcinogen.

**LIMITED WARRANTY:** CMC Construction Services warrants the high quality of its products. However, because of many factors beyond our control in their use, such as job conditions, workmanship, etc., the liability of all parties making and selling this product is expressly limited to the refund of the purchase price or replacement of the Lyons material used. CMC Construction Services will replace any product proven to have a manufacturing defect, FOB Factory, provided CMC Construction Services is notified of such defect within one (1) year from the date of shipment from the factory. This warranty is in lieu of all other warranties, express or implied. CMC Construction Services makes no warranty of suitability of its products for any particular application and sells its products upon the condition that customer shall conduct their own test to determine the suitability of the product for their purposes. Under no circumstances will CMC Construction Services be liable for economic, special, incidental or consequential damages or losses of any kind.