



Shep Crete

Polymer-Modified, Cementitious Finishing Material

Description

Shep Crete is a single component, polymer modified, portland cement based material used for achieving a smooth finish on precast, poured in place, tilt up or other unfinished or damaged concrete surfaces.

Primary Applications

- Fill bug holes and honeycombs
- Skimcoats
- Brighten and restore old concrete

Features & Benefits

- Featheredge to 1/8" (3.1 mm), 1/4" (6.4 mm) when extended with sand
- Smooth, creamy consistency
- User friendly
- Add only water
- Low shrinkage
- Color controlled, concrete gray or white
- Long working time

Directions For Use

Surface Preparation: Concrete surfaces must be structurally sound, free of loose or deteriorated concrete and free of dust, dirt, paint, efflorescence, oil and all other contaminants. Mechanically abrade the surface to achieve a surface profile equal to CSP 3 - 4 in accordance with ICRI Guideline 310.2. Properly clean profiled area.

Priming: Clean and prime exposed steel with anti-corrosion coating. Concrete should be primed with a spray or brush coat of anti-corrosion coating. Alternately, a Saturated Surface Dry (SSD) concrete surface can be primed with a scrub coat of Shep Crete. The repair must be made before the scrub coat dries out.

Mixing: Add Shep Crete to water, using only enough water to produce a mixture with a soft creamy putty-like consistency. Water requirements are 4 to 5 qts (3.79 to 4.73 L) per 40 lb (18.1 kg) bag. Use a power drill with

a jiffy mixer to mix small quantities. For larger applications, a paddle type mortar mixer is recommended. Do not entrap air while mixing. Shep Crete can be extended with sand for a coarser texture and for deeper repairs. For improved properties replace 25% of the mix water with Shep Acrylic.

Application & Finish: Apply Shep Crete to walls with a float or trowel in a smooth uniform coat. Deep repair areas should be patched to within 1/8" (3.2 mm) of the surface using a compatible repair mortar such as Shep Patch Plus. Neat Shep Crete can be used from feather-edge to 1/8" (3.2 mm). If extended with sand Shep Crete can be applied up to 1/4" (6.4 mm).

Curing: Moist cure for best results in hot windy weather. Do not use solvent based curing compounds.

Clean-Up: Clean tools and application equipment immediately after use with water before Shep Crete hardens. Hardened Shep Crete will require mechanical abrasion for removal.

Technical Data

Material Properties at 75°F (24°C)	
Initial Set min. ASTM C 266	20 to 30
Compressive Strength, psi (MPa) ASTM C 109	
7 days	3,000 (20.7)
28 days	4,500 (31.0)
Bond Strength, psi (MPa) ASTM C 1042	
7 days	1,000 (6.9)
28 days	1,450 (10.0)
Flexural Strength, psi (MPa) ASTM C 78	
7 days	500 (3.4)
28 days	750 (5.2)

Coverage/Yield

One 40 lb. (18.1 kg) bag will yield approximately 0.40 ft³ (.011 m³) and cover approximately 40 ft² (3.7 m²) at 1/8" (3.22 mm) thickness.

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Shelf Life

Two years in original, unopened package.

Precautions

- Store in dry conditions at temperatures between 50°F to 90°F (10°C to 32°C).
- Unextended Shep Crete should be applied to a maximum thickness of 1/8" (3.22 mm) per application.
- Do not re-temper or over trowel.
- Minimum ambient and surface temperature must be 40°F (4°C) and rising at the time of application.
- Protect from rain for 24 hours after application.
- In all cases, consult the MSDS before use.

LIMITED WARRANTY: NOTICE - READ CAREFULLY. CONDITIONS OF SALE. Manufacturer offers this product for sale subject to, and Buyer and all users are

deemed to have accepted, the following conditions of sale and limited warranty which may be varied by written agreement of a duly authorized corporate officer of Manufacturer. No other representative of or for Manufacturer is authorized to grant any warranty or to waive limitation of liability set forth below.

Warranty Limitation: Manufacturer warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, Manufacturer will replace the defective product with new product without charge to the purchaser. Manufacturer makes NO OTHER WARRANTY, either expressed or implied, concerning this product. There is NO WARRANTY OF MERCHANTABILITY. In no case shall Manufacturer be liable for special, indirect or consequential damages resulting from the use or handling of the product, and no claim of any kind shall be greater in amount than the purchase price of the product in respect of which damages are claimed.

Inherent Risk: MANUFACTURER MAKES NO WARRANTY TO THE PERFORMANCE OF THE PRODUCT AFTER IT IS APPLIED BY THE PURCHASER, AND PURCHASER ASSUMES ALL RISKS ASSOCIATED WITH THE USE OR APPLICATION OF THE PRODUCT.