

Brewer Cote[®] of Arizona



STEEL - CRETE

MODIFIED CERAMIC CEMENT

Steel-Crete is a light weight high compression strength all-purpose repair compound with excellent bonding properties when applied correctly. Steel-Crete can be applied smooth or can be stiffened for texture and vertical applications. Steel-Crete dries to a firm and durable surface in many cases stronger than the original sub-straight.

Steel-Crete can be floated over badly damaged asphalt to greatly extend the life of the surface at a fraction of the cost of applying new asphalt. Can also be used to patch cracks and holes in stucco, poured concrete, masonry block, tile pavers, cinder block, mortar wash and many other substrates. Makes an excellent light weight low spot repair on flat roofs prior to applying roof coatings and is very water resistant.



APPLICATION:

Estimate pounds needed for project. Steel-Crete is a single component material requiring only the addition of water. Using a clean pail or mixing container blend 5 parts Steel-Crete with 1-part clean water adding the water to the container first. Mix at low to moderate speed until creamy and reasonable stiff as if it were whipped butter. Using a trowel, putty knife, or straight edge, float over the damaged surface of crack until depressions are filled completely. When repairing asphalt pavement several applications should be used to build surfaces up $\frac{1}{4}$ " to $\frac{3}{8}$ " inch. Remove any excess and clean up with water as soon as possible.

CHARACTERISTICS:

7 Day Cure	1420 PSI
14 Day Cure	2180 PSI
28 Day Cure	2280 PSI

PH 9.0

Particle size 300 microns

Steel-Crete does not contain calcium chloride

COVERAGE:

Spread rate: 120 to 150 sq. ft. per pail (30 lbs.) @ 3/16 of 1" thick.

4.5 sq. ft. per pound @ 3/16" thick.

1.7 sq. ft. per pound @ 1/2" thick.

DRYING TIME:

Surface dry's in 30 min. Avoid traffic for 3 hours, test for traffic-ability before opening. Dry time @ 70° F approximately 3 hours. Recoat in 24 hours where appropriate.

CURING:

Be careful not to allow wind or very hot concrete to draw excess water of the product or strengths can be compromised. Steel-Crete will be hard enough to walk on within 24 hours with strength maximizing in 30 to 60 days.

WEATHER CONDITIONS:

Closely examine surfaces to be repaired removing loose and deteriorated particles. Clean surfaces of bond inhibiting materials including but not limited to oil, dust, dirt, laitance and standing water for best adhesion. Do not proceed with application until unsatisfactory conditions are corrected. Steel-Crete should not be applied where surface temperatures are below 40°F (5°C) when the possibility of temperatures falling below freezing. Cool temperatures and high humidity will retard the curing time. Take caution not to apply if weather conditions do not allow for a complete cure before rain, dew, or freezing temperatures.

COLOR:

Gray, Black pigmented.

CLEAN UP:

Water until dry, scrape tools after dry.

PACKING:

5 gal. Pails, (30 lbs)
Paper Bags, (40 lbs)

SAFETY:

Avoid breathing dust and getting in eyes. Where dust conditions exist that exceed nuisance dust levels set by OSHA use an approved dust mask and eye goggles. Continuous handling of Steel-Crete may result in dry skin, use a lanolin base hand cream to restore moisture where needed.

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The Pavement Maintenance Specialists

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