



MODIFIED CERAMIC CEMENT

Application Instructions & Technical Guidelines

INTRODUCTION

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 substrate.

APPLICATIONS

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. **Steel-Crete** can also be used to patch cracks and holes in stucco, poured concrete, masonry block, tile pavers, cinder block, brick, mortar wash, and many other substrates. **Steel-Crete** makes an excellent light weight low spot repair on flat roofs prior to applying roof coatings and is very water resistant.

METHOD OF USE

Steel-Crete is a single component material requiring only the addition of water and is available in 5 gallon pails or 35 and 50 pound bags. 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 reasonably stiff as if it were whipped butter. Using a trowel, putty knife, or straight edge, float **Steel-Crete** over the damaged surface or crack until depressions are filled completely. When repairing asphalt pavement several applications should be used to build surfaces up 1/4 to 3/8 inch. Remove any excess and clean up with water as soon as possible.

CURING

Be careful not to allow wind or very hot concrete to draw excess water from 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. See Precautions and Limitations for added information.

PRODUCT DATA

Dry Time @ 70° F approximately 3 hours. Recoat in 24 hours when appropriate.

Particle size – 300 microns. pH – 9.0

Spread rate 120 to 150 sq. ft. per five gallon pail @ 3/16 of one inch thick.

PSI – 7 day 960, 28 day 2390

Color and Form – Grey Powder

Steel-Crete does not contain calcium chloride.

PRECAUTIONS AND LIMITATIONS

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) or when there is a possibility of temperatures falling below freezing. Cool temperatures and high humidity will retard the curing time of **Steel-Crete**. Take caution not to apply **Steel-Crete** if weather conditions do not allow for a complete cure before rain, dew or freezing temperatures.

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 based hand cream to restore moisture when needed. For additional safety information consult the **Steel-Crete** MSDS.

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