

# OVERCRETE



Polymer-modified concrete repair/resurfacing mortar

## DESCRIPTION

OVERCRETE is a one-component, polymer-modified concrete repair/resurfacing mortar for smoothing, resurfacing, and restoring horizontal or vertical concrete surfaces. OVERCRETE offers superior durability for all interior and exterior concrete applications including vehicular and pedestrian traffic.

Overcrete is blended in 2 formulas;

**Overcrete-Fine** is blended with fine sands for a smoother finish on repairs from a feather to 1/2".

**Overcrete-Coarse** is blended with fine/coarse sands for a broom finish on repairs from 1/8" to 1.5".

## APPLICATION

**Surface Preparation:** The concrete must be sound and free of all foreign material, including oil, grease, dust, laitance or other surface contaminants. All surfaces to be repaired should be high pressure water blasted to produce an open rough surface profile (min. CSP 2-3). Surface must be misted/pre-dampened with water in a saturated-surface-dry (SSD) condition with no standing water on the surface.

**When applying in a thin overlay by broom or squeegee, be sure to scrub a bond coat into the pre-dampened surface prior to overlay to assure proper adhesion.**

**Mixing:** Mix by hand or with a low speed drill. Add recommended amount of water into the container, followed by slowly adding the OVERCRETE powder. **Suggested mix water for OVERCRETE is approximately 5.25 to 5.75 pints per 40 LB bag** (13.7% -15.0% by weight) depending on desired consistency. Mix 2-3 minutes. Mix only what can be applied within the 25 minute working time. Do not mix longer than 3 minutes. Do not over water, over mix or retemper.

**Placement:** When placing with a trowel, broom or squeegee, it may be necessary to use pressure to force OVERCRETE into cracks, voids and honey-combed areas. OVERCRETE retains its moisture and will spread easily. For deep applications, apply in layers and allow five to six hours between applications. Allow the moisture to leave the surface and allow the Overcrete to stiffen before applying the final finish and texture. Extreme weather conditions should be avoided, especially heat and wind. OVERCRETE may be spray applied with a hopper gun.

**CURING:** OVERCRETE will reach its final cure in twenty-four hours. Protect from rain or excess water until cured.

## PACKAGING/COVERAGE

40 lb pails (36 pails per pallet)

40 lb bags (60 bags per pallet)

Approx 60-70 sq-ft @ 1/16" Overcrete-Fine

Approx 16-18 sq-ft @ 1/4" Overcrete-Coarse

Actual coverage will depend on substrate texture and application method

## CLEAN UP

Tools and equipment may be cleaned with water before OVERCRETE hardens.

## SHELF LIFE

When properly stored in a cool, dry area, shelf life is 12 months. Excessive temperature differential and/or high humidity can shorten the shelf life expectancy.

## TYPICAL TEST DATA

Set time @ 70°F	90 min
Work time @ 70 F	25-30 min
<b>Compressive Strength (ASTM C109)</b>	
6 hour	1700 psi
1 day	2500 psi
7 days	4000 psi
28 days	5000 psi
<b>Bond Strength (ASTM C882)</b>	
7 day	1800 psi
28 day	2150 psi

## LIMITATIONS/PRECAUTIONS

Do not retemper after initial mixing. Do not add additional acrylic admixtures (ie. Strongbond) or other cements or additives to this product. Mixing equipment should be cleaned with water immediately after use

Joints and cracks in the existing concrete will telegraph through the OVERCRETE overlay.

The application of a sealer like SpecChem Aqua Shine or SurfaceShine will improve the abrasion resistance of the repair in exposed horizontal applications.

Do not allow repairs to freeze until the material has reached a minimum of 1000 psi compressive strength.

In adverse temperatures, follow ACI recommendations for hot/cold weather concreting practices.

Surface and ambient temperature between 50-90°F is required at the time of application.

For optimum results, condition material to between 65°F and 85°F.



1511 Baltimore Ave, Suite 600

Kansas City, MO 64108

www.specchemllc.com

866.791.8700

## LIMITATIONS/PRECAUTIONS

**Caution:** Contains Portland cement and sand. Cement will cause irritation. Avoid contact. A dust respirator, safety goggles, and rubber gloves are recommended.

Avoid prolonged contact with clothing. In case of contact with eyes, immediately flush with water for at least 15 minutes. Get prompt medical attention. Do not wear contact lenses when working with this product. DO NOT take internally. Keep out of reach of children.

Avoid hazards by following all precautions found in the Safety Data Sheet (SDS), product labels, and technical literature. Please read this information prior to using the

## WARRANTY

### NOTICE-READ CAREFULLY

#### CONDITIONS OF SALE

SpecChem offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of SpecChem. No other representative of or for SpecChem is authorized to grant any warranty or to waive limitation of liability set forth below.

#### WARRANTY LIMITATION

SpecChem 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, SpecChem will replace the defective product with new product without charge to the purchaser. SpecChem makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

#### INHERENT RISK

Purchaser assumes all risk associated with the use or application of the product.



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