

REVCRETE™



Polymer-modified concrete repair / resurfacing mortar

DESCRIPTION

REVCRETE™ is a one-component, polymer-modified concrete repair / resurfacing mortar for smoothing, resurfacing, and restoring concrete surfaces. REVCRETE™ offers superior durability for all interior and exterior concrete applications and can be diamond polished to a dense decorative overlay. REVCRETE™ is available in 2-formulations;
RevCrete™-Fine is blended with fine sands for a smoother finish on repairs from a feather to 1/2".
RevCrete™-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. Surface must be misted/pre-dampened with water in a saturated-surface-dry (SSD) condition with no standing water on the surface.

Mixing: Mix by hand or with a low speed drill. Add recommended amount of water into the container, followed by slowly adding the REVCRETE™ powder.

Suggested mix water for REVCRETE™ is approximately 4 to 5 pints per 40 LB bag (10.4% -13.0% 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 maybe necessary to use pressure to force REVCRETE™ into cracks, voids and honey-combed areas. REVCRETE™ 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 RevCrete™ to stiffen before applying the final finish and texture. Extreme weather conditions should be avoided, especially heat and wind. REVCRETE™ may be spray applied with a hopper gun

CURING: REVCRETE™ 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" RevCrete™-Fine
 Approx 16-18 sq-ft @ 1/4" RevCrete™-Coarse
Actual coverage will depend on substrate texture and application method

CLEAN UP

Tools and equipment may be cleaned with water before REVCRETE™ 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	40 min
Work time @ 70 F	25-30 min
Compressive Strength (ASTM C109)	
6 hour	1500 psi
1 day	2500 psi
7 days	4000 psi
28 days	5150 psi
Bond Strength (ASTM C882)	
7 day	2270 psi
28 day	2375 psi

LIMITATIONS/PRECAUTIONS

Do not retemper after initial mixing. Do not add 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 REVCRETE™ overlay.

The application of a sealer like SpecChem 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.



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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 product.

DO NOT EXPOSE TO OR APPLY NEAR FIRE OR FLAMES. FOR WELL VENTILATED OR EXTERIOR USE ONLY!

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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