

# SPEC SMOOTH

Polymer-modified concrete repair / resurfacing mortar 

## DESCRIPTION

SPEC SMOOTH is a one-component, polymer-modified concrete repair / resurfacing mortar for smoothing, resurfacing, rubbing, and restoring concrete surfaces.

SPEC SMOOTH offers superior durability for all interior and exterior, vertical, overhead, and horizontal concrete applications. Ideal for repairs from a feather up to 1/4"

SPEC SMOOTH can also be used as a skim patch or trowel-down underlayment for horizontal repairs subjected to light traffic.

## APPLICATION

**Surface Preparation:** The concrete must be sound and free of all foreign material, including oil, grease, dust, laitance or other surface contaminants. Horizontal areas subjected to traffic should be roughened by abrasive blasting or chipping hammer to an open profile. All surfaces to be repaired should be 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 SpecSmooth powder.

Suggested water addition for SPEC SMOOTH is approximately 18% by weight or 8 to 9 pints (1.0 to 1.125 gallons) per 50 lb bag. Mix 2-3 minutes. Mix only what can be applied within the 30 minute working time. Do not mix longer than 3 minutes. Do not over mix or retemper.

**Placement - Floors** SpecSmooth should be used with Acrylic Bonder mixed 1 to 1 with water or Duo Admix for thin horizontal applications subjected to traffic to increase durability, abrasion resistance and bond strength. Repairs up to 1/2" are possible for horizontal applications when mixing with Acrylic Bonder or Duo Admix.

**Placement - Walls** When placing with a trowel or sponge float, it maybe necessary to use pressure to force SPEC SMOOTH into cracks, voids and honey-combed areas. For deep applications, apply in layers and allow five to six hours between applications.

When using SPEC SMOOTH to repair deep areas on walls, first build up deep areas and fill voids with SPEC PATCH. Apply a thin coat of SPEC SMOOTH as required, up to 1/4" over entire surface area. Work in with a sponge float or trowel.

Extreme weather conditions should be avoided, especially heat and wind. SPEC SMOOTH may be spray applied.

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

## PACKAGING

50 pound bag (60 bags per pallet)

**Coverage:** approx 20 sq-ft @ 1/4"

## CLEAN UP

Tools and equipment may be cleaned with water before SPEC SMOOTH hardens.

## TYPICAL TEST DATA

Work time @ 70°F	30 min
<b>Compressive Strength</b>	
7 days	2500 psi
28 days	5000 psi
<b>Water Requirements</b>	<b>approx. 18% by Weight</b>
50 lbs of SPEC SMOOTH will require:	8 to 9 pints clean water (1.0 to 1.125 gallons)
<b>Yield</b>	
Yield Per Bag	.43 cu-ft
<b>Bond Strength (ASTM C882 modified)</b>	
14 days	1600 psi

## SHELF LIFE

Shelf life of unopened bags stored in a dry facility is 12 months. Excessive temperature differential and/or high humidity can shorten the shelf life expectancy. Store in a cool, dry area away from direct sunlight.



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## 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.

Do not apply a feather-edge in repairs subjected to heavy loads or traffic. A more durable repair can be achieved by recessing the edge 1/8".

The application of a sealer like SpecChem SurfaceShine or AquaShine 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.

Minimum surface and ambient temperature of 45°F and rising is required at the time of application. For optimum results, condition material to between 65°F and 85°F.

**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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