



# Nu-Top

## Concrete Resurfacer

### DESCRIPTION

**Nu-Top** is a thin resurfacing material designed to provide a new finish for worn exterior and interior concrete. The new surface will accept foot traffic in 6 hours and light rubber wheel traffic in 24 hours. **Nu-Top** is a blend of Portland cement, high performance polymers, selected aggregates and proprietary admixtures. **Nu-Top** can be applied from a feather edge to 1/16" in a single lift without shrinking.

### USES

**Nu-Top** is ideal for applying over the surface of existing concrete to produce a new wearing surface. Use to resurface and repair:

- Cracked or spalled concrete
- Sidewalks, walkways, driveways, patios, pool decks, basement floors, concrete stairs
- Warehouse floors subject to rubber wheel traffic

### BENEFITS

- Durable: Contains no gypsum
- Color: Consistent color match for concrete
- Resistant: Withstand weather, freeze, thaw
- Adhesion: Polymer modified for increased adhesion to concrete surfaces
- Consistent: Strict Quality Control testing and standards

### SURFACE PREPARATION

All surfaces in contact with **Nu-Top** shall be free of dirt, oil, grease, laitance and other contaminants that may act as bondbreakers. All unsound concrete should be removed to ensure a good bond. Damaged concrete beyond 1/16" depth should be repaired with **US SPEC Transpatch**. Control joints must be filled with **US SPEC Gelbond**. Concrete must be completely cleaned for **Nu-Top** to adhere. Use **US SPEC Maxi-Concrete Cleaner** to thoroughly clean the surface. After using the cleaner, pressure wash the surface using a 3,500 psi pressure washer. ACI recommends that the area to be patched should be saturated for 24 hours before placement. Remove any standing water. Surface should be saturated, surface dry (SSD). Always apply a test patch. Maintain contact areas between 50°F (32°C) prior to repair and during initial curing period.

### MIXING

For best results, use a mechanical mixer with rotating blades. Pre-wet mixer and empty excess water. Place 4.5 quarts of cool, clean, potable water per 50 lb bag in mixer, then add dry material. Mix on low RPM for a total of 3 to 5 minutes to achieve desired consistency. Mix only enough material that can be placed within working time. Do not blend excess water as this will cause bleeding and segregation. Do not use any other admixtures or additives.

### PHYSICAL PROPERTIES

#### Compressive Strength (ASTM C-109\*)

SET	1 DAY	3 DAYS	7 DAYS	28 DAYS
A NORMAL	2,500 psi (17.24 MPa)	4,000 psi (27.59 MPa)	5,000 psi (34.48 MPa)	6,500 psi (44.83 MPa)

#### Rate of Set (ASTM C-266\*)

SET	INITIAL	FINAL
A NORMAL	4:00	6:00

#### Consistency (ASTM C-230\*)

SELF-LEVELING TIME	WORKING TIME
:15	:20

#### Bond Strength (ASTM C-882\*)

AGE	APPLIED LOAD	SHEAR BOND STRENGTH
7 DAYS	24,700	2,500 psi (17.23 MPa)

(100% of rupture occurred in dummy section)

\*Notes: 73°F (22.8°C) 55% humidity  
A = 4.5 qts

### COVERAGE

One 50 lb (22.7 kg) bag will cover approximately 90 to 100 ft<sup>2</sup> at minimum thickness and 80 ft<sup>2</sup> at 1/16" thickness. Coverage may vary depending on porosity of surface.

**Packaging: 50 lb (22.7 kg) bag, 63 bags per pallet**



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### PLACING

Pour or pump **Nu-Top** onto the substrate. Work into position with a long handled squeegee. Scrub material with pressure to penetrate into the substrate's pores. For applications less than 1/16", use only a thin layer of material. For applications greater than 1/16", build to the desired thickness using successive thin layers. Allow 20 minutes between lifts. Apply a final broom or trowel finish immediately after placement. Minimize color variations by working one area completely from one expansion or control joint to the next.

### FINISHING & CURING

Follow standard ACI curing practices. Exposed surfaces should be cured with a membrane forming curing compound such as **US SPEC Maxcure Resin Clear, Hydrasheen 15%** or **CS-25-1315**.

### STORAGE

Normal cement storage and handling practices should be observed. Store material in an interior, cool, dry place. Shelf life is one year in original, unopened container.

### LIMITATIONS

In addition to limitations already mentioned, please note the following. Do not apply when temperature is below 50°F (4°C) or when the temperature is expected to fall below 50°F within 48 hours. Do not apply over surfaces that are frozen or contain frost. Do not apply over any active faults or cracks in the substrate without addressing any movement that may occur. Although crack repair is recommended prior to application, we cannot guarantee that cracks will not "telegraph" up through the dressing. All moving joints, such as expansion joints must be carried up through the new surface. Allow concrete to fully cure for 28 days before the use of this product. **Nu-Top** is not a resurfacing material for highways, streets, areas exposed to continuous traffic, industrial applications subject to hard or metal-wheeled traffic. Normal conditions working time is 20 minutes. Setting time will speed up in hot weather and slow in cold weather. For hot and cold weather applications, contact your US SPEC manufacturer's representative.

### REGULATORY

Read and follow application information, precautions and Material Safety Data Information.

#### **Right-to-know**

This product contains Portland Cement (CAS#65997-15-1) and Crystalline Silica (CAS# 14808-60-7)

#### **HMIS**

Health 1, Fire 0, Reactivity 0

#### **Prop 65**

Warning! This product contains Crystalline Silica, a chemical known to the State of California to cause cancer or reproductive toxicity.

#### **VOC Content**

0 g/L

### CAUTION

#### **EYE AND SKIN IRRITANT**

Contains Portland Cement (CAS# 65997-15-1) and Crystalline Silica (CAS# 14808-60-7). Do not allow contact with eyes or skin. Avoid breathing dust - silica may cause serious lung problems. There is limited evidence silica is a carcinogen. The use of gloves, goggles, dust masks and other protective clothing is recommended. If cement or sand particles get into eyes, rinse immediately with clean water and seek prompt medical attention

### TECHNICAL SERVICE

US MIX Co.

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Web Site: [www.usspec.com](http://www.usspec.com)

**NOTICE OF LIMITED WARRANTY** US MIX Co. (manufacturer) warrants to buyer that this product at the time and place of shipment is of good quality and conforms to the manufacturer's specifications in force on the date of manufacture when used in accordance with the instructions hereon. Manufacturer cannot warrant or guarantee any particular method of use, application or performance of the product under any particular condition. This limited warranty cannot be extended or amended by manufacturer's sales, people, distributors or representatives or by any sales information, specifications of anyone other than the manufacturer. Liability under this warranty is expressly limited to refund of the purchase price.

**LIMITATION OF WARRANTIES AND LIABILITY** Buyer assumes all risks associated with the use of this product. Manufacturer expressly disclaims all warranties expressed or implied including the warranties of merchantability and fitness for a particular purpose and all other warranties otherwise arising by operation of the law, course of dealing, custom, trade or otherwise. Buyer's exclusive remedy if this product is proven to be defective is limited to refund of purchase price by the manufacturer. Refund shall only be available if the buyer notifies manufacturer in writing within thirty days following discovery of any defect. Written notice shall be forwarded to US MIX Co. at 112 South Santa Fe Drive, Denver, Colorado 80223. No claim can be made twelve months after purchase of the product. Twelve months after the purchase manufacturer's duties with respect to the product and limited warranty shall be presumed to have been satisfied. Manufacturer in no event is liable for consequential damages.

**Yield: 50 lbs (22.7 kg) will fill approximately 0.43 ft<sup>3</sup> when 4.5 quarts mixing water is used**