

NeverStrip™
FLOOR COATINGS

NeverStrip Urethane Cement™



NeverStrip Urethane Cement

1 of 2

NeverStrip Urethane Cement is a three component, self-leveling, urethane modified cementitious topping broadcast with quartz aggregate and designed to protect concrete and quarry tile/ceramic substrates from chemical corrosion, abrasion, impact and thermal shock.

NeverStrip Urethane Cement System requires a clear chemical resistant epoxy or polyaspartic sealer/topcoat such as NeverStrip Epoxy 100 or NeverStrip Extreme Performance, respectively.

Advantages

- High Impact, Thermal Shock, and Wear Resistance
- Excellent Chemical Resistance
- Almost Completely Odorless
- VOC Compliant
- Contributes to USGBC LEED Credits
- Will not support Fungus or Bacteria
- Will not lose bond due to moisture
- Chemical Resistant Sealers available
- Colored Quartz Aggregate and Colored Chip (Flake) available

Considerations

- Best applied between 50°F - 85°F
- Substrate must be free of condensation and water during application and cure
- Material requires mechanical mixing
- Do not mix partial units
- Substrate should be clean, dry, and properly prepared concrete
- Repair cracks and divots prior to install
- Concrete outgassing will require priming with NeverStrip Off-Gassing Primer
- Do not apply less than 1/16"
- Do not featheredge

Surface Preparation

Surface Preparation is the most critical portion to any successful resinous flooring system application. All substrates must be properly prepared to a minimum CSP-3 profile as outlined in NeverStrips Installation Instructions. Work must be performed by trained contractor's or maintenance personnel. NeverStrip technical service technician is available to answer any questions.

Mixing

- 1 Mechanical mixing is required.
- 2 Add Part A and Part B in running mixer and blend until uniform (about 30 seconds).
- 3 Add Part C aggregate slowly to mix and blend for 1 more minute. Use immediately.

Installation

NeverStrip Urethane Cement is installed using a gauge rake, 1/4"-1/2" V-notched rake, squeegee or steel trowel.

Refer to detailed Installation Instructions.

Curing Time

- Approx 6 - 8 hours at 75°F for light foot traffic and recoat.
- 12-16 hours for light vehicle traffic
- 24 hours for full chemical resistance

Clean-Up

- No thinners are required.
- Clean equipment with soap and water, xylene or other solvent as needed.



NeverStrip Urethane Cement

2 of 2

Properties

Compressive Strength: 7,500 psi ASTM C-579

Tensile Strength: 800 psi ASTM C-307

Flexural Modulus of Elasticity: 2.6 x 10⁶ psi ASTM C-580

Water Absorption: <1% ASTM C-413

Coefficient of Thermal Expansion: 1x10⁻⁵ in/in/per °F ASTM C-531

Impact Resistance Withstands: 16 ft./lbs. MIL-D-3134F §4.7.3 (or >160 in./lbs.)

Service Temperature Resistance: -50 – 240 °F wet, 280°F wet intermittent, 350 °F dry

Abrasion Resistance: 32 mg (0.032 gm) ASTM C-501 (varies by topcoat type)

Flammability Class: 1 ASTM E-648

Hardness: 80-84 Shore D ASTM D-2240

Bond Strength to Concrete: 400+ psi ASTM D-7234 (100% concrete failure, varies by concrete tensile strength)

Chemical Resistance

Refer to NeverStrip Chemical Resistance Guide.

Refer to product data sheet for specific topcoat.

NeverStrips products are available throughout the United States, and Canada.

Contact the NeverStrips Representative in your area for details.

Colors

- Refer to NeverStrips Dry Oxide Pigment Color Chart.
- Price surcharge for Dark/Light Blue.
- Light colors may alter with exposure to UV spectrum light.
- NeverStrip Colored Quartz and NeverStrip Colored Broadcast Chips also available, used with clear sealer.



Customer Service: 708.588.9707
www.neverstrip.com

For Hazardous Materials (or Dangerous Goods) Incident:
Spill, Leak, Fire, Exposure, or Accident
Day or Night USA and Canada
Call CHEMTREC: 800.424.9300