

# DECKTITE™ 248 NS Sealant

## A Sag Resistant Sealant Which Resists Point Load Compression

**Composition:** A multi-component, sag resistant polyurethane sealant.

**Basic Use:** Decktite® 248 NS Sealant is used where a firm sealant is required. Decktite 248 NS is also used as the bedding sealant for the Decktite 550 ATS Expansion Joint System.

**Limitations:**

- Not intended for use in areas subject to splash or spill of strong organic solvents, acids or alkalis.
- Not intended for use in areas subject to steel wheel traffic.
- Not intended for use in areas subject to constant water immersion.
- Concrete must be primed with Decktite 100 CP primer prior to application.

**Packaging:** Decktite 248 NS is packaged as a 1-1/2 gallon (5.68 liters) unit in a 2 gallon pail. The Urethane Curative is provided in two separate containers inside the pail and must be added to the Decktite 248 NS Base, and thoroughly mixed along with the Dymeric 511 Color Pak.

**Color:** Decktite 248 NS uses the multi-system Dymeric 511 Color Pak and is available in five standard colors, Limestone, Bronze, Aluminum Stone, Precast White, and Black. One Dymeric 511 Color Pak (pigmented concentrate) mixes with a 1/2 gallon (5.68 liters) Decktite 248 NS Base unit.

**Specification Compliance:** Decktite 248 NS Sealant meets ASTM C 920:

- Type M (multi-component)
- Grade NS (Non-sag)
- Class 12 1/2 (12 1/2% Movement Range)
- Use T (Traffic), and M (Masonry).

**TECHNICAL DATA**

**Joint Design:** Review the Decktite 550 ATS installation brochure for complete explanation on the expansion joint design. Minimum joint dimension is 3/8" x 3/8" (9 mm x 9 mm) for joints 1/2" (13mm) and wider, the depth of the sealant shall not exceed 1/2" (13mm). Not intended for use on joints in excess of 2" (50 mm) width.

**Joint Backing-Bondbreaker:** Joints shall be backed with round closed-cell polyethylene, neoprene, or butyl rod under 30% compression. The sealant must not be applied against open cell backer rod, impregnated fiberboard, sand, or other absorbing type backup materials that retain moisture. These materials must be cut back deep enough to allow for proper joint backing.

Where joint design, or depth of joint will not permit the use of joint backing, a bondbreaker tape must be installed to prevent three-sided adhesion.

An adhesive backed polyethylene tape should be used.

**Initial Set:** Prohibit foot traffic for at least 24 hours at 70°F (21°C). Longer times required at lower temperatures.

**Firm Cure:** Prohibit vehicular traffic for at least 72 hours at 70°F (21°C). Longer times required at lower temperatures.

**Final Cure:** Two weeks at 70°F (21°C).

**Pot Life:** Approximately 1 hour at 70°F (21°C). Higher temperatures will accelerate cure rate and shorten pot life.

**SURFACE PREPARATION**

**New Construction:** Concrete must be clean, dry and free from loose mortar, laitance and foreign substances. Mechanical abrasion such as wire brushing, grinding or sandblasting may be necessary. Physical abrasion will be required to remove form release agents, waterproofing, dampproofing, or other contaminants. Remove all loose debris with high pressure, oil free compressed air as the final preparation step.

Product Advantages	
Features	Benefits
Chemical Curing System	• Once thoroughly mixed, the material will rapidly achieve final cure. Does not have to cure for extended periods, as with single component sealants.
High Durometer Hardness	• Resists compression under point loads, remains firm
Non Sag Formulation	• Easy to mix and conveniently placed with a hand trowel.



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**Remedial Applications:** All previous sealants must be removed to clean concrete. The joint surfaces shall be sandblasted or ground to expose clean, sound concrete. All loose dust dirt and debris must be removed by oil free high pressure compressed air prior to priming. All latex modified cementitious patching materials must be physically abraded to remove organic surface residue prior to the application of Decktite 100 CP primer. Concrete must be dry.

**Primer:** Concrete surfaces shall be primed with Decktite 100 CP primer. The primer must be permitted to fully cure tack free, before application of the sealant.

**Mixing:** The sealant must be thoroughly mixed in accordance with manufacturer's directions on container label. Proper mixing is achieved with a slow speed, heavy-duty drill (maximum 300 rpm) for not less than 6 minutes, using a two-blade mixing paddle. The sealant must be thoroughly mixed for a minimum of 6 minutes to ensure a uniform color and material distribution.

**Application:** Decktite 248 NS sealant is a non sag material which can be applied on sloped surfaces and vertical faces with a standard bulk loading caulking gun and margin trowel or tooling knives.

**Tooling:** Decktite 248 NS must be tooled to insure intimate contact with concrete surface.

Dry tooling is preferred. Use tape to mask off the concrete surface.

**Cleaning:** Immediately remove all excess sealant smears adjacent to the joint with Xylol or Toluol as work progresses. Cured sealant can be removed easily from unprimed concrete.

**Precautions:** For all Tremco products, and for other products used in conjunction with Tremco products, users must follow individual product labels and Material Safety Data Sheets for warnings and precautions prior to opening containers and during use and storage. Products must be used with adequate ventilation and personal protection, and vapors must be prevented from entering occupied buildings.

**Storage Life:** Six (6) months in factory sealed, unopened containers.

**Availability & Cost:** Contact your local Tremco representative for pricing and availability. For the name and number of your representative, call Tremco at (216) 292-5000.

**Guarantee:** Tremco warrants Decktite 248 NS to be free of defects and to meet published physical properties when installed and tested according to ASTM and Tremco standards. Under this warranty, Tremco will provide at no charge Decktite 248 NS to replace any product proved to be defective when installed in accordance with our written instructions and in applications recommended by Tremco as suitable for this product. THIS IS THE BUYER'S SOLE AND EXCLUSIVE REMEDY.

## Physical Performance Characteristics

### Decktite 248 NS

Property	Typical Value	Test Method
Adhesion-in-Peel	15-20 pli (on concrete)	ASTM C 794
Shore A Hardness	46-52 (14 days / 77°F / 25°C)	ASTM C 661
Bond Durability	+/- 12 1/2% Movement	ASTM C 719
Sagging	No Sag Below 122°F (50°C)	ASTM C 639
Staining	Slight (White Mortar)	ASTM C 510
Precent Solids	Greater than 90%	ASTM C 792

All claims concerning product defects must be made in writing within twelve months of shipment. Absence of such claims in writing during this period will constitute a waiver of all claims with respect of such product. This warranty is in lieu of any other warranty, expressed or implied, including but not limited to, any implied warranty of MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

**Technical Service:** Your local Tremco representative, working with the technical service staff, can help analyze conditions and needs to develop recommendations for special applications. The services of the Tremco Research Center, which has earned a unique reputation in weatherproofing technology, complement and extend the services of the Tremco technical service staff.

**Statement of Policy and Responsibility:** Tremco takes responsibility for furnishing quality materials and for providing specifications and recommendations for their proper installation.

As neither Tremco itself nor its representatives practice architecture or engineering, Tremco offers no opinion on, and expressly disclaims any responsibility for the soundness of any structure on which any of its products may be applied. If questions arise as to the soundness of a structure or its ability to support a planned installation properly, the owner should obtain the opinion of competent structural engineers before proceeding. Tremco accepts no liability for any structural failure or for resultant damages, and no Tremco representative is authorized to vary this disclaimer.

**TREMCO**

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