



Globally Proven
Construction Solutions

SPECTRALOCK® NS GROUT

SPECTRALOCK® NS Grout is a stainproof, durable, chemical resistant, 100% solid epoxy grout for ceramic tile, porcelain tile, marble, and stone. SPECTRALOCK® NS Grout is enhanced with Microban® antimicrobial technology providing around-the-clock protection from the growth of microbes including bacteria, mold, and mildew.



PROTECTION THAT LIVES ON
MICROBAN®



FEATURES/BENEFITS

- Meets performance requirements of ANSI A118.3-1999.
- 80 minutes working time at 21°C.
- Inhibits the growth of stain-causing mold and mildew in the grout joints with antimicrobial product protection.
- Ideal for installations at wide temperature ranges.
- Uniform color - no blotchiness or shading.
- Easy to maintain, cleanable to the original color.
- Chemical resistant.
- Stain resistant.
- Tough, durable, and crack resistant.
- Outperforms cement-based grout.
- Non-sag formula for walls and floors.
- High fashion with Dazzle component.

MANUFACTURED/ DISTRIBUTED BY

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USES

- Ceramic tile, glass tile and stone applications, residential and commercial.
- Interior and exterior.
- Floors and walls.
- Ideal for re-grouting applications.
- Swimming pools, fountains, and other wet area applications.

STANDARDS/CERTIFICATION

- ANSI A118.3, American National Standard Specifications for Chemical Resistant, Water Cleanable Tile-Setting and -Grouting Epoxy and Water Cleanable Tile-Setting Epoxy Adhesive tested with 1244 Bright White
- ISO 13007-3
- BS EN 13888

Packaging

Commercial Unit consists of:

Part A: 0.3 kg

Part B: 0.3 kg

Part C: 2 kg

Approximate Coverage

Refer to Coverage Chart.

Actual coverage will vary depending on job site conditions, actual tile size and installed grout joint size. Add 10% for waste, spillage and clean-up, and another 10%-15% when grouting unglazed quarry tile.

Shelf Life

Factory sealed containers of this product part A & B are guaranteed to be of first quality for one (1) year* and part C are guaranteed to be of first quality for six (6) months* if stored at temperatures greater than 0°C and less than 35°C.

*High humidity will reduce the shelf life of bagged product.

Limitations

- Not for use in areas subjected to harsh chemical, or areas exposed to aggressive cleaning regimens (e.g. steam cleaning). Not for use on floor and base areas in veterinary clinics, kennels, or in applications exposed to high concentrations of food and mineral acids or areas exposed to high temperatures. For these areas, LATICRETE recommends using grout that meets ANSI A118.5 such as LATAPOXY® 2000 Industrial Grout.
- Epoxy grout for ceramic tile and stone is not a replacement for a waterproofing membrane. When a waterproofing membrane is required, use a LATICRETE Waterproofing Membrane.

Cautions

- DO NOT add water or any other material to the mixture, or re-temper with water. This will have an adverse effect on the product and void all warranties.
- Protect finished work from traffic until fully cured.
- SPECTRALOCK NS liquid components might irritate eyes and skin. Avoid contact with eyes and/or prolonged contact with skin. Wear protective gear (gloves, long sleeve shirt, and safety glasses) when applying. Flush thoroughly with water in case of initial contact.
- DO NOT ingest internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator or dust mask. See MSDS for more information.
- Keep out of reach of children.
- Protect from freezing.
- Light colors may darken, and dark colors may fade slightly from direct UV exposure in exterior applications. Consult with LATICRETE Technical Services for specific exterior recommendations.

- SPECTRALOCK Dazzle (Glow) not for use in submerged installations.
- Maximum stain resistance is achieved in seven days at 21°C. Protect from exposure to acids (such as mustard, salad dressing, etc.) and strong cleaners during this period.
- Protect grout from dirt, construction debris, and contamination for 7 days at 21°C.
- SPECTRALOCK NS is an unsanded grout. Use of unsanded grouts in joints <2mm will result in a coarser surface compared to surfaces in wider joints.
- Some soft polished marble or delicate glazed or glass tile might be scratched by SPECTRALOCK NS during installation. Apply a small test area to determine results before grouting entire installation.
- SPECTRALOCK Dazzle (Glow) might discolor from strong alkali cleaners and acids. Use a neutral pH solution of soap and water when cleaning SPECTRALOCK NS mixed with SPECTRALOCK Dazzle (Glow)
- In steam rooms or submerged applications, allow SPECTRALOCK NS to cure for 10 days at 21°C days before use of area and filling with water. See TDS 192 for more information on these applications.
- SPECTRALOCK NS is resistant to staining when exposed to most household products and cleaners (e.g. ketchup). However, long term exposure to any material without proper cleaning and maintenance will increase the probability of stains.
- Epoxy Resins may affect the color of white or porous stones (such as White Carrara, Thasos White, Royal Danby, etc.)

TECHNICAL DATA

Performance Properties

Test	Test Method	Results
Water Cleanability	ANSI A118.3 E5.1	Water Cleanable at 80 minutes
Initial Set Service Strength	ANSI A118.3 E5.2	> 2 hours < 24 hours
Shrinkage	ANSI A118.3 E5.3	< 0.25%
Vertical Joint Sag	ANSI A118.3 E5.4	Pass
Shear Bond Strength @ 14 days	ANSI A118.3 E5.5	>6.8N/mm ²
Compressive Strength	ANSI A118.3 E5.6	>23N/mm ²
Tensile Strength	ANSI A118.3 E5.7	>7.5N/mm ²
Thermal Shock	ANSI A118.3 E5.8	>2.0N/mm ²
Water Absorption	ANSI A118.3	< 0.50%

Chemical Resistance* Chart

Chemical Name	Splash Exposure (30 min)	Intermittent Exposure (24 hours)	Continuous Exposure (7 days)
Mineral Water	R	R	R
Sea Water	R	R	R
Methanol	R	NR	NR
10 % Ethanol (wine, beer)	R	R	R
96 % Ethanol (Spirit)	R	R	NR
Isopropanol (Windex)	R	R	R
Mek	R	NR	NR
Chloroform	NR	NR	NR
Methylene Chloride	NR	NR	NR
Toluene	R	R	NR
Xylene	R	R	R

*Material will stain due to exposure to these items.

R=Recommended NR=Not Recommended

Chemical Resistance determined in accordance with ASTM C267-1982.

NOTES TO SPECIFIER:

Use the constant exposure recommendations for intermittent exposure to reagents at temperatures above 32°C.

Working Properties

Density - 15lbs/gal (1.8 g/ml)

Test Standard		Temperature		
		4°C	21°C	35°C
ANSI A118.3 E-5.1	Working Time	120 min	80 min	30 min
LIL-AS-01-110904	Tack Free Time	12 hrs	4 hrs	2 hrs
LIL-AS-01-110904	Ready for Heavy Foot Traffic	24 hrs	12 hrs	6 hrs
LIL-AS-01-110904	Ready for Light Foot Traffic	48 hrs	24 hrs	12 hrs
LIL-AS-02-110904	Dirt, Stain Resistance, Food Spills, Household Cleaners	14 days	7 days	3 days
LIL-AS-03-110904	Full Cure	28 days	14 days	7 days

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.

INSTALLATION

See Data Sheet 685.5, How To Install SPECTRALOCK PRO Grout, for detailed installation instructions. This document is available online at www.laticrete.com and is included in all Part AB units.

AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY materials are available worldwide.

For distributor information, call:

Telephone: +632 8656 6118

For on-line distributor information, visit LATICRETE at: ph.laticrete.com

Cost

Contact a LATICRETE Distributor in your area.

WARRANTY

LATICRETE Philippines, Inc. warrants that SPECTRALOCK NS is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from date of purchase subject to the terms and conditions.

MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY materials require no maintenance, but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

TECHNICAL SERVICES/CONTACT

Technical Assistance

Information is available by calling:

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Technical and Safety Literature

To acquire technical and safety literature, please visit our website at ph.laticrete.com