



NXT[®] LEVEL SP

DS-35609-0724

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

NXT[®] LEVEL SP

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

NXT Level SP is a medium/coarse-sanded, pumpable and pourable, low alkali cement-based, premium self-leveling topping suitable as a high-strength wear surface. The product is based on a proprietary mineral binder system that is used to finish interior concrete and level uneven floor surfaces. Apply it over concrete and other types of sound substrates before polishing.

Uses

- New construction
- Repairs to polished slabs
- Used in: malls, department stores, super markets, hotels, apartment buildings, dealerships and much more

Advantages

- Available in standard colors of Grey and White
- Aggregate rich overlay with Salt and Pepper look

- Can be tinted to coordinate with interior finishes or branding designs through our– AnyColor™ custom color program
- Full system availability with L&M™ and STONETECH® products
- Provides a durable, attractive and low maintenance cementitious wear-surface grade concrete overlayment, suitable for polishing to various shine levels
- Transforms rough concrete to a flat and smooth surface perfect for a polished concrete look
- Polishable to a finished wear-surface in as little as 24 hours
- Self-leveling concrete overlayment formula is both pourable and pumpable (available in 50 lb. bags and 2500 lb. super sacks) to smooth existing rough concrete
- Medium-coarse aggregate* for greater rolling and standing load capacity, increased durability and longer lasting appearance
- Inorganic-based formulation will not contribute to or harbor growth of mold or mildew
- NXT Level SP is a direct replacement for SUPERCAP SC650-MC

Suitable Substrates (Interior Use Only)

- Concrete slabs*
- Concrete

Packaging

Inquire to you local sales representative about Super Sacks

Grey

- 50LB (22.7KG) BAG / 56 per pallet /
- Part number is 9600-0050-21

White

- 50LB (22.7KG) BAG / 56 per pallet /
- Part number is 9601-0050-22

Approximate Coverage

Size	1/4" 6mm	1/2" 12mm	3/4" 18mm	1" 25mm	2" 51mm
Per 50 lb bag 22.7KG	20 sq.ft 1.85 m ²	10 sq.ft .93 m ²	5.8 sq.ft .54 m ²	4.7 sq.ft .44 m ²	2.3 sq.ft .21 m ²

- Coverage will vary depending on the texture of the surface. A survey is also recommended.
- 1/2" is typically recommended but less can be placed if desired.

Shelf Life

Factory sealed containers of this product are guaranteed to be of first quality for one (1) year if stored off the ground in a dry area. High humidity will reduce the shelf life of bagged product.

Limitations

- Do not install over Particle board, chipboard, hardboard (Masonite®), Luan panels, asbestos, gypsum-based patching materials, asphalt, coal tar, lightweight insulating concrete or any other dimensionally unstable materials.
- Not recommended for steel-wheeled traffic.
- For interior use only.
- Do not install when surface temperature is below 40°F (4°C) or above 90°F (32°C)
- Do not install over painted surfaces.
- Do not exceed recommended mixing ratio as indicated in mixing instructions. Over watering will weaken product properties.
- Never mix with cement or admixtures.
- Do not apply over crack isolation membranes.
- Consult LATICRETE Technical Services for installation over waterproofing systems.
- Not for use in submerged applications.
- The inherent nature of the self-leveling toppings provides unique variation from job to job. Aesthetic variations are common. Variations in the surface are outside of the control of LATICRETE and are not a considered a product defect.
- Cracks are common and expected with decorative cement based topping products. Cracks are not considered a product defect. LATICRETE cannot predict if or to what extent cracking will occur.
- LATICRETE concrete overlay's are not intended to be perfectly homogeneous in appearance. Shade of color may vary slightly as these use natural mined resources. The typical application procedures of spreading and smoothing, along with the sanding process, will result in optical variations in the appearance of the floor. The aesthetic appearance that is created is subject to possible technical and artistic tolerances. Variations in the overall finished appearance should be expected.

- LATICRETE makes no guarantee on and does not warrant color matching to our NXT® ANYCOLOR™ chart, or to any color guide produced. Actual performance and appearance related characteristics as intended for use will depend on job site conditions, lighting, installation techniques and may vary from our color guide, color samples, and color swatch on product packaging. Always create a mock-up to validate actual appearance, performance and results before installing. No claims for color shade variations will be honored.

Cautions

- Before using any LATICRETE product:
- Check www.laticrete.com for any technical bulletins or updated information about the product and its application.
- Contact your local LATICRETE Technical Sales Representative with any questions.
- Consult SDS for more safety information.
- Do not allow foot traffic on finished work until cured.
- Do not take internally. Silica sand may cause cancer, respiratory irritation or serious lung problems. Do not breathe dust.
- Keep out of reach of children.
- Contains cement. Causes severe skin burns. Causes serious eye damage. May cause an allergic skin reaction. In case of contact, flush thoroughly with water.
- Wear protective gloves/protective clothing/eye protection/face protection.

4. TECHNICAL DATA

Applicable Standard

- ANSI A118.16
- This product currently has a Product Specific (Type III) Environmental Product Declaration (EPD). The PCR review, life cycle assessment and declaration were independently verified by UL Environment in accordance with ISO 14025, ISO 14040 and ISO 14044.

Physical Properties

Test	Test Method
Pour Depth	1/4" to 2" Avg. Depth (6mm to 51mm) 1/2" (12mm) is typically recommended polishing applications. Lower depths can be done. Consult Technical Services for average depths over 2" (51mm)
Walkable	2 to 4 hours at 70°F (21°C)
Flexural Strength (ASTM C1708) 28Day Cure	1100 psi (7.6 MPa)
Compressive Strength (ASTM C1708)	28 day = 6000 to 7000 psi (43.1 to 48.3 MPa)
Set Time (ASTM C1708)	Initial @ 30 - 60 min. Final @ 60 - 120 min.
Installed Dry Weight (per square foot @ 1/4" (6mm)	2.8 lbs/ft ² (13.7 kg/m ²)

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.

5. INSTALLATION

Surface Preparation

Refer to TDS 230 SUBSTRATE PREPARATION AND PRIMER GUIDE for LATICRETE SELF-LEVELING PRODUCTS for more detailed surface preparation instructions.

Priming

When applying NXT Level SP as a wear surface over concrete, apply a LATICRETE epoxy primer or moisture barrier with sand broadcast before the application takes place. When applying over substrates other than concrete, consult LATICRETE Technical Services.

- General Primer (epoxy primer - cure time of 8 hours): 0920-0005-2
- VAPOR BAN E (epoxy MVB - cure time of 12 hours): 0911-0005-2
- VAPOR BAN ER (rapid epoxy MVB - cure time of 3 hours): 0912-0003-2

NOTE: If moisture is present, a moisture barrier must be used. See DS 502.0 and TDS230 SUBSTRATE PREPARATION AND PRIMER GUIDE for LATICRETE SELF-LEVELING PRODUCTS for more detailed information.

Mixing

- Pre-condition NXT Level SP to approved application temperature (air temperature between 50 – 90°F (10–32°C)).
- **Grey:** mix 50 lb. (22.7 kg) bags with 3.5 - 4.0 quarts (3.3 - 3.8 liters) of cool, clean water.
- **White:** mix 50 lb. (22.7 kg) bags with 4.0 - 4.5 quarts (3.9 - 4.3 liters) of cool, clean water.
- Add product to water and mix for 2 – 3 min. with a heavy duty drill (650 rpm) to obtain a lump free mix.

WHEN ADDING NXT® ANYCOLOR™ liquid pigments

NXT Level SP can be integrally colored using NXT® ANYCOLOR™ universal liquid pigments. At a rate of 1 unit of liquid pigment per each 50lb. (22.7KG) BAG of NXT Level SP mix.

First add NXT® ANYCOLOR™ universal liquid pigment to the pre-measured clean potable mixing water in your clean mixing container, prior to adding any NXT LEVEL SP powder. Mix with a drill mixer until pigment is evenly dispersed in the mixing water. Finally add your NXT Level SP powder to the pigmented mixing water as directed above and mix for 2 – 3 min. with a heavy-duty drill to obtain a lump free mix.

Verify actual appearance and compatibility with a field mock-up prior to installing

CAUTION: DO NOT OVER WATER OR OVER MIX. OVER WATERING WILL CAUSE BLEEDING OR SAND SEGREGATION.

Application

Substrate temperature must be a minimum 40°F (4°C) during application and air temperature maintained between 50–90°F (10–32°C). Protect areas from direct sunlight. If required to meet design tolerances, survey surface using a digital or electronic leveling device and apply level pegs as required (level pegs are not recommended for wear surface applications). Adequate ventilation should be provided to ensure uniform drying. Pump or pour blended material onto substrate at an average thickness ranging between 1/4" to 2" (6mm to 51 mm) for wear surface applications. Applications of 1/2" (12.7mm) are typically recommended but lowered depths can be done.

Immediately following placement lightly smooth the surface and pour lines. When not using level pegs the use of a gauge rake will assist in controlling material depth. Do not expose NXT Level SP to rolling dynamic loads such as forklifts or scissor lifts, for at least 72 hours after installation. Proper application is the responsibility of the user. Field visits by LATICRETE personnel are for the purpose of making technical recommendations only and not for supervising or

providing quality control on the jobsite.

Application tools offered by LATICRETE:

- 7316-LVPG-25 / LATICRETE Elevation Pins
- 7317-NIVC-HS / LATICRETE Electronic Survey Tool
- 7319-TOOL-CR / Self-Leveling Underlayment & Overlayment Tool Kit

Sealing

When NXT Level SP is used as a decorative wear surface a guard or topical sealer is needed to help protect the floor from stains. Note that most sealers will help protect from staining however spills must be thoroughly cleaned as soon as possible. When spills are left to dwell they will eventually penetrate and cause staining. Refer to TDS 238 Polishing Guide for sealing recommendations. Refer to TDS 184 Maintenance of Decorative Overlays.

Polishing

NXT Level SP can be polished after 24 hours. Refer to TDS 238 Polishing Guide for NXT Level SP for more detailed information about polishing. Consult with polishing concrete contractor as there are many methods, levels of polish, unlimited color, and other design aspects that must be considered. Minimum recommended thickness for polished topping is 1/2" (12mm). Polishing requires a high degree of experience and craftsmanship. A suitable sized mock-up is required for obtaining owners acceptance prior to installation.

Clean Up

In case of spillage, sweep or vacuum into appropriate container and dispose of in accordance with applicable local, provincial and federal regulations.

6. AVAILABILITY AND COST

Availability

LATICRETE materials are available worldwide.

For Distributor Information, Call:

Toll Free: 1.800.243.4788
Telephone: +1.203.393.0010

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

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

- 1 Year Product Warranty (US) (English)

8. MAINTENANCE

Refer to TDS 184 - NXT Cementitious Decorative Toppings, for suggested maintenance for decorative surfaces.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 1235
Telephone: +1.203.393.0010, ext. 1235
Fax: +1.203.393.1948

Technical and Safety Literature

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

10. FILING SYSTEM

Additional product information is available on our website at laticrete.com. The following is a list of related documents:

- DS-230.13 LATICRETE Product Warranty
- TDS 230: SUBSTRATE PREPARATION AND PRIMER GUIDE for LATICRETE SELF-LEVELING PRODUCTS
- TDS 238: Guide for Polishing NXT Overlayments
- TDS 184: Maintenance of NXT Cementitious Decorative Toppings

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