



NXT™ Skim

DS-506.0-0414

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

NXT™ Skim

2. MANUFACTURER

LATICRETE International, Inc.
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3. PRODUCT DESCRIPTION

NXT Skim is a premium quality, fast-drying, cement-based underlayment designed for skim-coating, smoothing and leveling prior to the application of floor coverings. Apply from skim depth to 1" (0 - 25 mm). Install finished flooring as soon as 20 minutes after application. This trowel-applied product has a superior creamy consistency making it the ideal choice for skim coat applications.

Suitable Substrates (Interior Use Only)

- Concrete
- Vinyl tile
- Cement terrazzo
- Exterior glue plywood
- Ceramic tile and stone
- Cement mortar beds
- Non-cushioned sheet vinyl[^]
- Cement backer board

[^]Requires use of NXT™ Embossing Admix

Advantages

- Apply from skim depth (0 mm) to 1" (25 mm)
- Rapid setting formula
- Ready for finished flooring in as soon as 20 minutes

Packaging

10 lb (4.5 kg) paper bags/4 bags per carton/52 cartons per pallet

Color

Grey

Approximate Coverage

Per 10 lb (4.5 kg) bag

Up to 250 ft² (23.2 m²) Skim Depth (0mm)

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 NXT Skim over particleboard, chipboard, hardboard (Masonite®), Luan panels, asbestos, gypsum-based patching materials, asphalt, coal tar, or lightweight insulating concrete or any other dimensionally unstable materials.
- NXT Skim is 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.
- Do not apply NXT Skim over waterproofing or crack isolation membranes.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproofing membranes. When a waterproofing membrane is required, use a LATICRETE® Waterproofing Membrane on top of the dry NXT Skim.
- Not for use in submerged applications.

Note: Substrate deflection under all live, dead and impact loads, including concentrated loads, shall comply with applicable building code and finish floor manufacturer requirements.

Cautions

Before using any LATICRETE® product:

- Read and understand the Product Data Sheet and Material Safety Data Sheet.
- 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 MSDS for more safety information.
- During cold weather, protect finished work from traffic until fully cured.
- Contains portland cement. May irritate eyes and skin. Avoid contact with eyes or prolonged contact with skin. In case of contact, flush thoroughly with water.
- Do not take internally. Silica sand may cause cancer or serious lung problems. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

4. TECHNICAL DATA

Specifications are subject to change without notification. Technical data shown in LATICRETE product data sheets and technical data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions. Actual field performance and test results will depend on installation methods and site conditions. Field test results will vary due to critical job site factors.

Application Depth	Skim depth to 1" (0–25 mm)
Walkable	20 – 40 minutes at 70°F (21°C)
Tensile Bond Strength (ASTM C1583)	480 psi (3.31 MPa)
Flexural Strength (ASTM C348) 28 Day Cure	1300 psi (9 MPa)
Compressive Strength (ASTM C1708) 28 Day Cure	28d: 2550 psi (17.6 MPa)
Set Time (ASTM C1708)	Initial @ 10 - 15 min. Final @ 15 - 20 min.

5. INSTALLATION

Surface Preparation

- Clean substrate to eliminate dust, dirt, oil, grease, paint or any contaminants which may inhibit bonding. Do not use chemicals to clean substrate. Remove any loose particles and vacuum.
- Test surface bond strength of substrate. If minimum 72 psi (0.5 MPa) bond strength is not achieved or the substrate is contaminated, remove contaminants by mechanical means. Retest surface.
- Inspect for contraction joints, construction joints, and cracks in the substrate which may be subject to movement after installation of NXT™ Skim. These must be maintained as joints in the new surface.
- Maintain substrate temperature between 40°F (4°C) and 90°F (32°C) during application and air temperature between 50–90°F (10–32°C) during drying. Provide adequate ventilation to ensure uniform drying.

Embossing Non-Cushioned Vinyl Floors and VCT

Completely remove any wax or other coatings. Roughen smooth surfaces. Wash and rinse thoroughly with clean water. Allow to dry.

Preparing Ceramic Tile or Terrazzo

Ensure tiles are well bonded to the substrate. Mechanically abrade with a carborundum disk. Wash and rinse thoroughly with clean water. Allow to dry.

Preparing Non-Water Soluble Cutback Adhesive

Scrape non-water soluble cutback adhesive residue from the floor and remove excess material. Ensure remaining adhesive residue is completely dry.

Mixing

With Water

Mix 1.5 – 1.75 quarts (1.4-1.6 L) of clean water per 10 lb (4.5 kg) bag of NXT Skim. Do not over-water. Add product to water and mix for 2–3 minutes with a heavy duty drill (650 rpm) to obtain a lump-free mix.

Note: material can be re-whipped to extend pot-life but do NOT add more water when re-mixing. For smaller quantities, mix 1 part water to 3 parts powder.

Application

Apply blended material to substrate with trowel at a thickness from feather-edge to 1" (0–25 mm) for all surfaces. After initial set of material (approx. 10–15 min.), remove all overlap marks, seams and inconsistencies by scraping with a steel trowel. Key in but do not over trowel. Material can be walked on after 15–20 minutes at 70°F (21°C) or higher, depending on thickness.

Flooring Installation

Finished floor goods may be installed as soon as 20 minutes after application, subject to thickness, drying conditions and type of flooring materials. Always refer to finished floor manufacturer's recommendations regarding installation instructions, restrictions, moisture conditions and compatibility.

Always test performance suitability and compatibility of finished floor systems prior to their application. Sample surfaces should be installed as a field test so as to be representative of entire surface and tested for intended use.

6. AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® 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 www.laticrete.com.

Cost

Contact a LATICRETE Distributor in your area.

7. WARRANTY

See 10. FILING SYSTEM:

DS 230.13: LATICRETE Product Warranty (United States and Canada)

8. MAINTENANCE

Non-finish LATICRETE and LATAPOXY installation materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE Technical Service Hotline:

Toll Free: 1.800.243.4788, ext. 235
Telephone: +1.203.393.0010, ext. 235
Fax: +1.203.393.1948

Technical and Safety Literature

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

10. FILING SYSTEM

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

DS 230.13: LATICRETE® Product Warranty (United States and Canada)
DS 236.0: 9235 Waterproofing Membrane
DS 503.0: NXT™ Embossing Admix
DS 663.0: HYDRO BAN®

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