



SKIM LITE

DS-506-0721

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

SKIM LITE

2. MANUFACTURER

LATICRETE International, Inc.

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3. PRODUCT DESCRIPTION

Skim Lite is a premium quality, high yielding, fast-drying, fiber reinforced, cement-based underlayment designed for skim-coating, smoothing and leveling prior to the application of floor coverings. Skim Lite offers the customer light weight properties while maintaining strong surface, being rated for caster wheel use. With installer safety in mind, this product contains no respirable crystalline silica levels that exceed the OSHA action level*.

Uses

- Repairs

Advantages

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

- Contains no respirable crystalline silica levels that exceed the OSHA action level*
- Caster Wheel Safe
- 40% lighter weight formula
- Fantastic workability and consistent results
- High coverage rate
- Direct replacement for NXT Skim, SUPERCAP SkimCoat, DRYTEK Skimcoat
- Can be applied over Gypsum based substrates

* OSHA action level set forth in OSHA's Respirable Crystalline Silica (RCS) standard for construction, 29 CFR 1926.1153, as tested by an independent laboratory to be below the OSHA action level for respirable crystalline silica - see laticrete.com/silica

Suitable Substrates

- Cement Backer Board
- Cement Mortar Bed
- Cement Terrazzo
- Ceramic Tile and Stone
- Concrete
- Non-Cushioned Sheet Vinyl
- Vinyl Tile
- Exterior Glue Plywood (Interior Only)
- Gypsum Underlayments
- Oriented Strand Board (OSB) (Interior Only)

Packaging

8 lb. bag / 96 per pallet / individually packaged

Part: 0918-0008-21

Approximate Coverage

Substrate	Coverage at a feather-edge/skim
Smooth Profile (Underlay., Plywood, etc.)	380 SQ FT* (35.3 M ²)
Rough Profile (Concrete, OSB, etc.)	190 SQ FT* (17.6 M ²)

*Calculated coverage indicated is approximate. Coverage will vary depending on the texture of the surface and/or the thickness the material is applied at.

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.

Limitations

- For interior use only.
- Do not install LATICRETE® SKIM LITE over particleboard, chipboard, hardboard (Masonite®), Luan panels, asbestos, asphalt, coal tar, or lightweight insulating concrete or any other dimensionally unstable materials.
- 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 SKIM LITE 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 SKIM LITE.
- Not for use in submerged applications.
- During cold weather, protect finished work from traffic until fully cured.
- 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.

Cautions

- Read and understand the Product Data Sheet and 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 SDS for more safety information.
- Contains portland cement. Causes severe skin burns and serious eye damage. May cause an allergic skin reaction. Wear protective clothing, gloves and eye protection. In case of contact, flush thoroughly with water.
- Do not take internally.
- Keep out of reach of children.

4. TECHNICAL DATA



Physical Properties

Technical Data	Results
Set Time	15 to 20 minutes*
Compressive Strength (ASTM C109)	1800 to 2100 psi (12.4 to 14.8 MPa)
Flexural Strength (ASTM C1708)	900 to 1000 psi (6.2 to 6.9 MPa)
Tensile Strength (ASTM C1585)	300 to 400 psi (2.1 to 2.8 MPa)

*Drying time is a function of jobsite temperature and other conditions such as humidity and/or installation thickness. Low substrate temperatures and/or high ambient humidity will extend the drying time.

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

Preparing surface for Concrete Substrate

- 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 100 psi (0.7 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 LATICRETE® SKIM LITE. 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.
- For very absorptive concrete, apply a fine mist of water on top of the prepared concrete using a pump garden type sprayer, just prior to SKIM LITE application. Concrete should readily absorb water. Broom out excess standing water. Do not apply SKIM LITE where there is standing water on top of the concrete. If water beads or does not absorb within 60 seconds, additional surface prep is needed.

Preparing for poured Gypsum Underlayment

- Tensile strength of the gypsum underlayment must be at least 100 psi (0.7 MPa), tested in accordance with ASTM C1583.
- Any loose or damaged poured gypsum underlayment will have to be repaired.
- All dirt, oil, paint, laitance, efflorescence, sealers, curing compounds, dust, construction debris, and any other bond breaking contaminants must be removed by diamond grinding or shot blasting.
- Use of chemicals to remove contaminants is prohibited. Use of sweeping compound is not recommended as they may contain oil which will act as a bond breaker.
- Water drop test is recommended to determine if concrete is absorptive prior to application. Refer to DS-502_NXT Primer product data sheet for water drop test instruction. If the water drop test yields a non-suction/non-absorptive result the surface must be prepared by diamond grinding or shot blasting.
- Surface temperature must be 50–90°F (10–32°C) during application and for 24 hours after installation. In all cases, the surface temperature of the prepared concrete slab must be warm enough to avoid condensation on the surface of the concrete.

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

Mix 2.0 qts. (1.9 L) of clean cool water per 8 lb. (3.6 kg) bag of LATICRETE® SKIM LITE. Add product to water and mix for 3 minutes with a heavy duty drill (650 rpm) to obtain a lump free mix.

Note:

- **Material can be re-mixed to extend pot-life but do NOT add more water when re-mixing.**
- **A Helix Paint Mixer is not preferred.**

Mixing with NXT EMBOSSING ADMIX (for embossing non-cushioned vinyl and VCT flooring)

Mix 2.4 qts. (2.3 L) of NXT EMBOSSING ADMIX per 8 lb. (3.6 kg) bag of NXT SKIM. Add SKIM LITE to NXT EMBOSSING ADMIX and mix for 3 minutes with a heavy duty drill (650 rpm) to obtain a lump free mix.

Note:

- **Material can be re-mixed to extend pot-life but do NOT add more water when re-mixing.**
- **A Helix Paint Mixer is not preferred.**

Application

Apply blended material to substrate with trowel at a thickness from feather-edge to 1" (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 to 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 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:

- DS 230.13: 1 Year Product Warranty

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. 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® 1 Year Product Warranty (United States and Canada)
- DS 503.0: NXT® Embossing Admix
- DS 502.0: NXT® Primer

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