



# NXT® Patch

DS-501.0-0717

**Globally Proven  
Construction Solutions**



## 1. PRODUCT NAME

NXT® Patch

## 2. MANUFACTURER

LATICRETE International, Inc.  
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## 3. PRODUCT DESCRIPTION

NXT Patch is a premium quality, fast-drying underlayment patch designed for use over most substrates. Cement-based formula is excellent for deep fills from 1/8" – 1-1/2" (3-38 mm) per lift.

### Suitable Substrates

- Concrete
- Vinyl tile\*
- Cement terrazzo
- Exterior glue plywood\*
- Ceramic tile and stone
- Cement mortar beds
- Cement backer board
- Cement masonry units

\* Interior only

### Advantages

- Interior or exterior applications
- Excellent bond strength
- Easy to mix and apply
- Fast drying, apply finish floor goods in as soon as 40 minutes
- Can be applied directly over concrete testing at RH of 95% or less per ASTM F2170

### Packaging

25 lb (11.3 kg) bag/64 bags per pallet

### Color

Grey

## Approximate Coverage

Per 25 lb. (11.3 kg) bag

Nominal Thickness	Approximate Coverage
1/8" (3 mm)	32.5 ft <sup>2</sup> (3.0 m <sup>2</sup> )
1/4" (6 mm)	16.3 ft <sup>2</sup> (1.5 m <sup>2</sup> )
1/2" (13 mm)	8.1 ft <sup>2</sup> (0.8 m <sup>2</sup> )
1" (25 mm)	4.1 ft <sup>2</sup> (0.4 m <sup>2</sup> )
1-1/2" (38 mm)	2.7 ft <sup>2</sup> (0.3 m <sup>2</sup> )

## 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 Patch over particleboard, chipboard, OSB, hardboard (Masonite®), Luan panels, asbestos, gypsum-based patching materials, asphalt, coal tar, lightweight insulating concrete or any other dimensionally unstable materials.
- NXT Patch is not recommended for steel-wheeled traffic.
- 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.
- Not for use as a wear surface.
- Do not apply NXT Patch 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 Patch.
- 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](http://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 and silica sand. 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	1/8" to 1 1/2" ( 3 – 38 mm)
Walkable	30 – 40 minutes at 70°F (21°C)
Tensile Bond Strength (ASTM C 1583)	435 psi (3 MPa)
Flexural Strength (ASTM C 1708) 28 Day Cure	1015 psi (7 MPa)
Compressive Strength (ASTM C 1708) 28 Day Cure	28d: 4350 psi (30 MPa)
Set Time (ASTM C1708)	Initial @ 15 - 20 min. Final @ 30 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 Patch. 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.

##### 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. Water soluble adhesives must be completely removed down to the bare underlayment or subfloor.

#### Mixing

NXT® Patch should be mixed with 3.2 – 3.5 quarts (3.1 – 3.3 ℓ) of water per 25 lb (11.3 kg) bag. Do not over water. Add product to water and mix for 2–3 min with a heavy duty drill (650 rpm) to obtain a lump free mix.

#### Application

Apply blended material onto substrate at a thickness of 1/8" to 1-1/2" (3 – 38 mm) for all surfaces. After initial set of material, remove all overlap marks, seams, and inconsistencies by scraping with steel trowel. Material can be walked on after 30–40 minutes.

#### Flooring Installation

Finished floor goods may be installed as soon as 40 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](http://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](http://www.laticrete.com).

## 10. FILING SYSTEM

Additional product information is available on our website at [www.laticrete.com](http://www.laticrete.com). The following is a list of related documents:

- DS 230.13: LATICRETE Product Warranty (United States and Canada)
- DS 663.0: HYDRO BAN®
- DS 236.0: 9235 Waterproofing Membrane