



LATICRETE® NXT™ Patch

DS-NXTP.0-0913

**Globally Proven
Construction Solutions**



Packaging

10.0kg packed as 100 bags per pallet

Color

Grey

Approximate Coverage

Per 10 kg bag

Nominal Thickness	Approximate Coverage
3 mm	2.40 m ²
6 mm	1.20 m ²
13 mm	0.60 m ²
25 mm	0.30 m ²
38 mm	0.18 m ²

1. PRODUCT NAME LATICRETE® NXT™ Patch

2. MANUFACTURER

LATICRETE UK

Speke Hall Industrial Estate

Speke, Liverpool, Merseyside, L24 1YA

United Kingdom

Tel: 0151 486 6101; Fax: 0151 448 1982

e-mail: sales@laticrete.co.uk

www.laticrete.co.uk

3. PRODUCT DESCRIPTION

NXT™ Patch is a premium quality, fast-drying underlayment small area patch installation mortar designed for use over most substrates, especially where there is a need to form a ramp or slight fall in the floor surface. This special cement-based formula has excellent compressive & flexural strength and is recommended for deep fills from 3 to 38 mm per application.

Suitable Substrates

- Concrete
- Vinyl tile*
- Cement terrazzo
- Exterior WBP 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

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 flooring 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. 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® HYDROBAN 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 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	3 – 38 mm
Walkable	30 – 40 minutes at 70°F (21°C)
Tensile Bond Strength (ASTM C 1583)	435 psi (3 N/mm ²)
Flexural Strength (ASTM C 1708) 28 Day Cure	1015 psi (7 N/mm ²)
Compressive Strength (ASTM C 1708) 28 Day Cure	28d: 4350 psi (30 N/mm ²)
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 N/mm²) 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 2.8 – 2.9 ℓ of water per 10.0 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 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.

Cleaning

Clean tools and masonry with water while mortar is fresh.

6. AVAILABILITY AND COST

Availability

LATICRETE® and LATAPOXY® materials are available worldwide.

For on-line Distributor Information, call 0151 486 6101 or visit

LATICRETE UK at

www.laticrete.co.uk

7. 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.

8. TECHNICAL SERVICES

Technical Assistance

Information is available by calling the LATICRETE UK Technical Service Hotline:

Tel: 0151 486 6101

Fax: 0151 448 1982

e-mail: sales@laticrete.co.uk

Technical and Safety Literature

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

www.laticrete.co.uk

9. DISCLAIMER

The information contained in this document is given in good faith and to the best of our knowledge is true and accurate.

This information is subject to change without notice and it is the responsibility of the user to obtain up to date and current information.

The use of this product is beyond our control and liability is assumed by the user when used incorrectly and not in accordance with LATICRETE guidelines.

The manufacturer is not responsible for any loss or damage arising from incorrect usage of this product.

The specifier or other party responsible for the project must ensure that the details in this data sheet are appropriate for the intended application and that additional detailing is performed for specific design or any areas that fall outside the scope of this specification.

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