Laticrete Sure Set PTB

DS-PTB - 0913

Globally Proven Construction Solutions

- Cement backer board**
- Heated Sub-floors
- Cement terrazzo
- Properly prepared vinyl tile*
- Non-water soluble cut-back adhesive*

* Interior use only.
** Consult cement backer board manufacturer for specific installation recommendations and to verify acceptability for exterior use.

1. PRODUCT NAME
Laticrete Sure Set PTB

2. MANUFACTURER
LATICRETE UK
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Speke, Liverpool, Merseyside, L24 1YA
United Kingdom
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Fax: 0151 448 1982
e-mail: sales@laticrete.co.uk
www.laticrete.co.uk

3. PRODUCT DESCRIPTION
LATICRETE Sure Set is a highly polymer fortified cement based floor tile adhesive which eliminates the need for back buttering large format tile and stone due to its' excellent "hi-build" & "wetting out" properties. LATICRETE Sure Set has unique wetting characteristics which yield maximum contact coverage on the larger tile and stone formats. This also allows the installer to quickly and easily install tile in a single "drop, adjust and go" method.

Uses
LATICRETE Sure Set is designed for interior installations on floors for large format tile and stone allowing complete coverage without back buttering. LATICRETE Sure Set can be used in thin bed or thick bed applications in both wet and dry areas.

Advantages
- Drop, adjust and go application.
- Maximum coverage without back buttering.
- Any size tile and stone.
- Thin to Thick -bed applications.
- Pourable thick-bed for Interior applications only.
- Wet and dry area fixing applications.

Suitable Substrates
- Concrete Slabs
- Cement mortar beds
- Ceramic tile and stone
- Exterior glue plywood*

Packaging
20.0kg; 54 bags per pallet.

Colours
Grey and White

Coverage

At 3mm bed depth = 4.0 M2 per 20 kg bag with a (9mm x 9 mm) large notched trowel.
At 6mm bed depth = 2.0 M2 per 20 kg bag with a (9mm x 9 mm) large notched trowel.
At 9mm bed depth = 1.3 M2 per 20 kg bag with a (9mm x 9 mm) large notched trowel.

Coverage will vary depending on bed depth, trowel notch size, type and size of tile, and substrate finish.

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
- Not for use directly over particle board, luan, Masonite® or hardwood floors.
- 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 (see Section 10 FILING SYSTEMS).
- Not for use in submerged applications. For these applications, use 254 Platinum.

Note: Surfaces must be structurally sound, stable and rigid enough to support ceramic/stone tile, thin brick and similar finishes. Substrate deflection under all live, dead and impact loads, including concentrated loads, must not exceed L/360 for thin bed ceramic tile/brick installations or L/480 for thin bed stone installations where L=span length.

Cautions

Consult MSDS for more safety information.

- Some marbles and other natural stone have low flexural strength and may not be suitable for installation over wood floors.
- Use LATAPOXY® 300 Adhesive for installing green marble, water sensitive stone, agglomerates and resin backed tiles and stones.
- During cold weather, protect finished work from traffic until fully cured.
- Use white mortar for white or light-coloured stone.
- 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

Total VOC Content (gms/litre) of product in unused form is (0.00 g/l).

Applicable Standard
EN 12004 C2E

Performance Properties
Mixed with water [4.0 ℓ] per 20kg

Test	Test Method	Results
Initial tensile adhesion strength	EN 1348 – 8.2	>1.0 N/mm^2
Tensile adhesion after water immersion	EN 1348 – 8.3	>1.0 N/mm^2
Tensile adhesion after heat ageing	EN 1348 – 8.4	>1.0 N/mm^2
Tensile adhesion after Freeze Thaw cycles	EN 1348 – 8.5	>1.0 N/mm^2
Open time tensile adhesion after 30 mins	EN 1346	>0.5 N/mm^2

Working Properties (70°F [21°C])

Open Time	30 minutes
Pot Life	1 hour
Time to Heavy Traffic	24 hours
Wet Density	103 lbs/ft^3 (1653 kg/m^3)

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

The substrate must be clean, firm and free of dust, dirt, oil, grease and loose flaking coatings. They must also be structurally sound and strong enough to support the weight of the tiles being fixed. Worn or porous masonry surfaces should be sealed with NXT PRIMER diluted as 1 to 3 with water. Do not apply onto bare, un-sealed gypsum plaster or anhydrite floor screed before first sealing this type surface with two coats of neat NXT PRIMER.

New concrete slabs shall be damp cured and 28 days old before application. Movement joints shall be provided through the tile work from all existing construction or expansion joints in the substrate.

Follow BS 5385–5:2009 section 8 for the design & installation of movement joints within the tiled area. Do not cover movement joints with mortar.

Minimum construction for interior plywood floors:

SUBFLOOR: minimum 15 mm thick (WBP) exterior glue plywood, either plain with all sheet edges blocked or tongue and groove, over bridged joints spaced no more than 400 mm maximum. Screw fix plywood at 150 mm (6") centres along sheet ends and 200 mm centres along intermediate supports with coated or hot galvanized screws; allow 3 mm between sheet ends and 6 mm between sheet edges at the perimeter; all sheet ends must be supported by a framing member; glue sheets to joints with construction adhesive.

UNDERLAYMENT: WBP 15 mm thick exterior glue plywood fastened at 150 mm (6") centres along sheet ends and 8" (200 mm) centres in the panel field (both directions) with coated or hot galvanized screws; allow 3 mm to 6 mm between sheets and 6 mm between sheet edges and any abutting surfaces; offset underlayment joints from joints in subfloor and stagger joints between sheet ends; glue underlayment to subfloor with construction adhesive. Refer to Technical Data Sheet 152 "Bonding Ceramic Tile, Stone or Brick Over Wood Floors".

Mixing

Place clean, potable water into a clean pail. Add Laticrete Sure Set PTB. Use approximately (4.0 ℓ) of water For a full 20kg of powder. Mix with a slow speed mechanical mixer to a smooth, trowelable consistency. Allow mortar to stand for 5 minutes. Remix without adding any more water or powder. During use stir occasionally to keep mix fluffy. **DO NOT** temper with water.

Application

Apply mortar to the substrate with the flat side of the trowel, pressing firmly to work into surface. Comb on additional mortar with the notched side.

Note: Use the proper sized notched trowel to ensure full bedding of the tile. Spread as much mortar as can be covered with tile in 15–20 minutes. Back butter large format tiles (> 300 mm x 300 mm) to provide full bedding and firm support. Place tiles into wet, sticky mortar and beat in using a beating block and rubber mallet to embed tile and adjust level. Check mortar for complete coverage by periodically removing a tile and inspecting bedding mortar transfer onto back of tile. If mortar is skinned over (not sticky), remove and replace with fresh mortar.

Grouting:

Grout all joints within the installation after a minimum of 24 hours curing time at 70°F (21°C). Cooler temperatures require a longer curing time. Grout joints with either Laticrete Permacolour grout or Laticrete Spectralock Premium PRO grout in accordance with the product instructions.

Cleaning

Clean tools with water.

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

LATICRETE and LATAPOXY grouts require routine cleaning with a neutral pH soap and water. All other LATICRETE and LATAPOXY 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.