



SCREED

SCREED is a factory prepared blend of carefully selected polymers, Portland cement and aggregates. Simply mix with water to produce a high strength mortar for floor screed installations.

**For The Builders of
A Better World**



FEATURES/BENEFITS

- Polymer fortified — no need for latex additives.
- Premixed — no job site blending of powders required.
- Economical — saves time and money.
- High strength formula
- Pumpable for large scale topping projects.
- Exceeds ASTM C270 requirements.

SUITABLE SUBSTRATES

- Concrete
- Ceramic tile and stone
- Cement mortar beds
- Cement backer board**
- Cement terrazzo
- Exterior glue plywood^

^ Interior use only with wire reinforcing

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

PACKAGING/COLOURS

- 20 kg bag; 56 bags per pallet
- Colour: Grey

USES

- Interior and exterior applications.
- Wet and dry applications.
- Bonded and non-bonded thick bed mortar applications.
- Conventional thick bed mortar applications.
- Concrete repairs.

MANUFACTURER

LATICRETE Australia
29 Telford Street
Virginia, QLD 4014 Australia

Telephone: 07 3865 1599
Toll Free: 1800 331 012
Fax: 07 3865 2250
Internet: www.laticrete.com.au

Approximate Coverage

(Based on 20kg bag)

- 1 m² at 10 mm thick
- 0.5m² at 20mm thick
- 0.25m² at 40mm thick

Shelf Life

Factory sealed bags 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

- Use LATAPOXY® 300 Adhesive for installing green marble or water sensitive stone, agglomerates or tile.
- Use white adhesive for installing white or light coloured marble or stone.
- Not for use over expansion joints or structural movement cracks.
- Adhesives/mastics, mortars and grouts for ceramic tile, pavers, brick and stone are not replacements for waterproof membranes. When a waterproof membrane is required, use a LATICRETE Waterproof Membrane.
- 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/720 for thin bed stone installations where L = span length. See [TDS1011](#) for more details.

Cautions

- Read Safety Data Sheet (SDS) before use.
- During cold weather, protect finished work from traffic until fully cured.
- Keep out of reach of children.
- 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. Use rubber gloves and eye protection when handling product.
- Do not take internally. Silica sand may cause cancer or serious lung problems.
- Avoid breathing dust. Wear an approved respirator in dusty areas.
- Efflorescence is a normal condition of Portland cement. Contact LATICRETE for information on reducing the effects of efflorescence.

TECHNICAL DATA

VOC Information

Green Building Council of Australia Green Star Office Design. VOC. 2grams/litre

Performance Properties

As per ASTM C270

PROPERTY	VALUES
Water Absorption ANSI A118.7.3.4	0.65%
28-day Compressive Strength ASTM C270	≥25MPa
Shrinkage 7-day Cure ASTM C-157	0.06%

Working Properties at 21°C

PROPERTY	VALUES
Pot Life	<2 hours
Time to Foot Traffic	>15 hours
Time to tile	24 hours
Wet Density	2.18 g/cm 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.

INSTALLATIONS

Unless otherwise stated in this document, LATICRETE technical data sheets and guidelines, all work should be in accordance with the latest version of AS3958

Note: Movement joints shall be provided through all bedding and tile work from all dynamic construction or movement joints in the substrate. Follow Australian Standard requirements for Movement Joints in AS3958. Do not cover movement joints with adhesive.

Bonded semi-dry mortar beds must be a minimum 10 mm thick. Where bonded semi-dry mortar beds are greater than 50mm in thickness, install wire mesh as outlined in the **Unbonded Mortar Bed** section below. Alternatively, install in multiple layers less than 50mm thick but more than 10 mm thick. Scratch and allow to dry between layers. Slurry bond coats are required between layers.

Do not allow slurry bond coats to skin or dry out; re-apply fresh slurry bond coat over skinned or dry slurry bond coat before applying fresh mortar. Do not apply slurry bond coats to areas that are not going to be immediately covered. See [TDS 1009](#) for more information.

Preparation

All surfaces should be between 4°C and 32°C and structurally sound, clean and free of all laitance, dirt, oil, grease, loose peeling paint, concrete sealers, curing compounds or anything that may inhibit bond. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface.

Mixing Information

Mix with water to desired consistency for semi dry or more plastic consistencies. For best results semi-dry mixes are best when mixed in a forced blade, static drum type mixer. Do not mix semi-dry mixes in a rotating drum mixer.

Dry Pack Consistency for Floors: Installation

Mix 20kg of LATICRETE SCREED with approximately 1.8 to 2.0 Litres of potable water. Adjust liquid to achieve the desired consistency as site conditions and effects of the slurry bond coat alter the mix consistency during the laying process. Mix to an easily compactable, semi-dry consistency that holds its shape and presents with a slight sheen to the surface. Mix only what can be used within the pot life as a mortar.

Bonded Mortar Bed: Installation

Pre-Screed before installation - Immediately before placing fresh mortar, apply and work into the surface, a nominally 2mm thick slurry bond coat made of LATICRETE 335 or 254 Adhesive or other specified bond coats to the prepared substrate. Whilst the bond coat is still wet and tacky, spread and screed the mortar mix over the bond coat and compact well as the work progresses. Finish with a wood float to the required surface tolerances, falls and levels. Allow to dry for the application of membranes or tile.

Wet-Bed installation - In the case where tiles or pavers are to be beaten into a fresh, plastic, semi-dry mortar bed that has been applied over a slurry bond coat as above; screed to the desired levels and falls, and compact. Float the surface flat and tight with a surcharge of mortar (additional mortar to account for the compaction in the beating and bedding process). Then apply a nominally 2mm thick slurry bond coat to the surface of the plastic mortar bed (only to the area that will immediately receive tile or paver) with the flat edge of the trowel. While the slurry bond coat is wet and tacky, place the tile and beat in well to the correct level and alignment.

Unbonded Mortar Bed: Installation

Before placing mortar, install a cleavage membrane, e.g. 200 µm polyethylene sheeting, lapped and taped on the substrate. Place, screed and compact the mortar over the cleavage membrane (approximately 1/2 the depth of the mortar bed). Next place 25 mm x 25 mm to 75 mm x 50 mm, 1.2 mm to 2 mm diameter galvanized welded wire mesh over the 1/2 depth mortar bed, lapping the mesh as required. Then, place, compact and screed the remainder of the mortar bed. The wire mesh should be suspended in the middle of the mortar bed and 200mm laps exposed where adjoining mortar beds are to be installed later. Finish as required. Minimum mortar bed thickness shall be 40 mm. In the case where tiles are to be beaten into a wet and plastic mix as the work progresses and after the second layer of the mortar bed has been applied over the mesh; follow the process outlined in the Wet-Bed installation section above.

Note: A slurry bond coat should also be applied to the edges of mortar beds installed from previous work periods.

Cold Weather Note

The setting of Portland cement adhesives, mortars and grouts are retarded by low temperatures. Protect finished work for an extended period when installing in cold weather. For faster setting adhesives use LATICRETE Rapid Setting Thin-Set Adhesives and Additives. Do not set tile when surface temperature is below freezing or when substrate is frozen. For further information, see [TDS1175](#).

Hot Weather Note

The evaporation of moisture in Portland cement adhesives, mortars and grouts is accelerated by hot, dry conditions. Apply to dampened surfaces and protect freshly spread mortar and finished work when installing in temperatures over 35°C. For further information, see [TDS1176](#).

Cleaning

Clean tools and tile work with water while adhesive is fresh.

AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide.

For Distributor information:

Toll Free: 1800 331 012

Telephone: 07 3865 1599

For online distributor information, visit LATICRETE at www.laticrete.com.au

Cost

Contact a LATICRETE Distributor in your area.

MAINTENANCE

LATICRETE® and LATAPOXY® grouts, sealers and sealants require routine maintenance and cleaning with a neutral pH detergent and water. See TDS 1113 for more information.

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

TECHNICAL SERVICES

Technical assistance

Information is available by calling:

Toll Free: 1800 331 012

Telephone: 07 3865 1599

Fax: 07 3865 2250

Technical and safety literature

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

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 LATICRETE is not responsible for any loss or damage arising from the incorrect use of this product.
- Efflorescence is a normal condition of Portland cement and is not covered by any warranty. The use of LATAPOXY 310 Stone Adhesive, LATAPOXY 300 Adhesive, LATAPOXY SP-100, SPECTRALOCK® PRO Premium Grout¹ and SPECTRALOCK 2000 IG will not contribute to any noticeable efflorescence. For further information, see TDS1159.

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