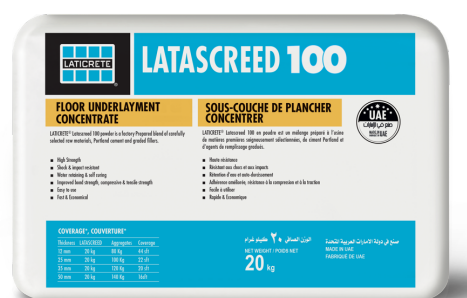




Globally Proven
Construction Solutions

LATASCREED 100 – Floor Underlayment Concentrate

LATASCREED 100 powder is a factory prepared, blend of carefully selected raw materials, Portland cement and graded fillers. Designed for use with water and aggregates to produce high strength, water retaining, quick drying & self-curing screed with controlled shrinkage hydraulic binder for screeds. LATASCREED 100, when mixed in the correct proportions of correctly graded aggregate and mixing water, can produce a screed which follows the code of practice of BS 8204-1:2003 and EN 13813:2002.



FEATURES/BENEFITS

- High Strength
- Shock & impact resistant
- Water retaining & self curing
- Improved bond strength, compressive & tensile strength
- Easy to use
- Fast & Economical

MANUFACTURER

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USES

For interior and exterior floor bonded and unbonded screeds.

Formation of screeds onto which ceramic tiles can be laid after 24 hours and natural stone after 2 days.

Patching and repairing floor screeds where rapid restoration is required.

PCKAGING / COLOR

- 20 kg bag; 72 bags per pallet

Colors: Grey

which accommodate the movements.

Suitable Substrates

- Concrete
- Cement Mortar Beds (Compressive Strength>25 MPa)
- Cement Terrazzo

Approximate Coverage:

Thickness	LATASCREED	Aggregates	Coverage*
12 mm	20 kg	80 Kg	44 sft
25 mm	20 kg	100 Kg	22 sft
35 mm	20 kg	120 Kg	20 sft
50 mm	20 kg	140 Kg	16 sft

*Coverage are approximate figures, can vary depending on aggregate gradation and substrate.

Coverage will be based on following mix design. The grain size matrix has to be uniformly distributed from 0 to 10 mm. We need approx. 7.5 – 8.5 Ltrs. of water for an ideal mix. Adjust the water content depending on the site conditions.

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 at 18–26°C and 50% relative humidity.

* High humidity will reduce the shelf life of bagged product.

Limitations

- Use LATAPOXY® 300 Epoxy Adhesive for installing green marble or water sensitive natural stone and agglomerates.
- 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® Hydro ban® / 9237 Waterproof Membrane.

NOTE TO THE SPECIFIER AND INSTALLER:

- While installing tile/stone on the external walls and floors, we need to provide the movement joints by creating spaces between the tiles/stones and filling them up with LATICRETE cement based grout mixed with L1776 grout admix plus or silicone sealants.
- It is also important to note that the exterior tile / stone installations are provided with joints (spaces) on the periphery of the area without allowing the tile / stone to be bound by the peripheral masonry work or plaster.
- It is also important to note that the tiles/stones are not installed directly on expansion joints. The expansion joints need to be run through the tile / stone work till top surface and filled with materials

Cautions

- 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. Avoid breathing dust. Wear a respirator in dusty areas.
- Keep out of reach of children.

TECHNICAL DATA

Applicable Standards:

Performance Properties

LATICRETE LATASCREED 100 Mixed with aggregate and water

Test	Results
Compressive strength	>3500 psi (24.1 MPa)
Flexural Strength	>700 psi (4.82 MPa)
Tensile strength	>250 psi (1.72 MPa)

Working Properties at 70°C (21°C)

LATICRETE LATASCREED 100 mixed with aggregate and water

Pot Life	Approx 1 hour
Time to Foot Traffic	Approx 24 hours
Time to Heavy Traffic	72 hours

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.

INSTALLATION

Surface Preparation

All surfaces should be between 40°F(4°C) and 90°F (32°C) and structurally sound, clean and free of all dirt, oil, grease, loose peeling paint, concrete sealers or curing compounds. Dry, dusty concrete slabs or masonry should be dampened and excess water swept off. Installation may be made on a damp surface. All slabs must be plumb and true to within ¼”(6mm) in 10ft (3m).

Follow the standard rules of creating the movement joints for Adhered screeds, Floating screeds and the thicknesses of respective screeds as per the international standards. For better performance of screeds, it is also recommended to use wire mesh as specified by the engineer at site.

Expansion joints shall be provided through the tile work from all construction or expansion joints in the substrate. Follow ANSI Specification AN-3.8 “Requirements for Expansion Joints” or TCA Detail EJ171 “Expansion Joints”. Do not cover expansion

joints with mortar. Glass Mesh Mortar Unit: follow TCA installation detail W244, in temperatures over 95°F (35°C).

Priming for Adhered screeds:

Mix LATASCREED 100 with 50% water by weight and make lump free slurry. Apply an even thickness of the slurry to the cleaned substrate using a brush or roller to ensure the primer is absorbed into the substrate. Each 20 kg bag of LATASCREED 100 will cover 20 Sq. Mtrs. approximately.

Application of Screed

While the slurry bond coat is in wet and tacky condition, place the screed prepared by mixing LATASCREED 100 with Aggregates and Water. Spread the screed material on floor surface and make the surface levelled by tapping and flattening with a straight edge, even taking enough care to check the required levels of floor and compact well.

Tiling by Wet – On – Wet method:

For placing tiles apply, slurry bond coat made from either 254 Platinum or 4237 Latex additive mixed with 211 powder, over the green Screed bed & install tiles. The tiles shall be placed & beaten in the screed while the slurry bond coat is wet and sticky.

Tiling by Thin set Adhesive Method:

Leave the compacted screed for a period of 3 days for air curing and install tiles using a suitable thin set adhesive. Grouting of tile joints can commence after 48 hours from the completion of tiling.

Cleaning

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

AVAILABILITY AND COST

Availability

LATICRETE and LATAPOXY® materials are available worldwide. For Distributor information, call: LATICRETE ME details

Cost

Contact a LATICRETE / LATAPOXY Distributor in your area.

WARRANTY

LATICRETE Middle East LLC warrants that LATASCREED 100 is free from manufacturing defects and will not break down, deteriorate or disintegrate under normal usage for a period of one (1) year from manufacturing of the product subject to the terms and conditions stated in LATICRETE Product Warranty

MAINTENANCE

LATICRETE and LATAPOXY grouts require routine cleaning with neutral pH soap and water or LATICRETE suitable cleaners. All other LATICRETE and LATAPOXY materials require no maintenance but installation performance and durability may depend on properly maintaining products supplied by other manufacturers

TECHNICAL SERVICES

Information is available by calling the LATICRETE Technical Service

Telephone: + 971 7 244 6396

Technical and Safety Literature

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

www.laticrete.com
