GUARD PRIME EPM

Two component epoxy primer specially designed for priming concrete substrates, cement screeds, various terrazzo system, and resinous flooring to meet heavy duty performance in hot and tropical climatic conditions.

FEATURES/BENEFITS

- Excellent Bond Strength
- High Compatibility with various substrates
- Ease application
- Good penetration
- Can be applied on damp surface
- Suitable as a bonding primer for screeds.

USES

- Suitable for various areas of application like carparks, factory floors, kitchens, hospitals, food industry, pharmaceuticals, warehouses etc.
- Suitable for concrete, wood and steel surface for subsequent coating or finishes.
- Suitable as moisture barrier for various flooring installation prior to self-levelling underlayment.

MANUFACTURER

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Suitable Substrates

- Concrete/ Steel / Wood

Packaging: 25 Kg set (Part A and Part B)

Approximate Coverage
0.3 kg/sqm/coat.
Actual coverage may vary due to texture and porosity of substrates.

Shelf Life
Factory sealed containers of this product are guaranteed to be of first quality for one year if stored off the ground in a dry area. Extreme storage conditions will reduce the shelf life.

Storage: Store in dry and conditioned temperature below 35 °C.

Cautions
Before using any LATICRETE product:

- Consult SDS for more safety information.
- Check www.laticrete.me for any technical bulletins or updated information about the product and its application.
- Contact your local Technical Sales Representative with any questions.

Limitations:
Guard Prime EPM can be applied on damp surface but not on wet surfaces.
Drying time gets extended for damp surface, higher film thickness, cold climate and humid conditions.

TECHNICAL DATA

Physical Properties

Color	Light brownish liquid
Solid content	~100%
Specific gravity	1.5 ± 0.05
Hard dry	10 – 24 hrs
Shore D-7days	~70
Pot life	45 mins approx
Bond strength, ASTM D4541	> 2.5, Concrete failure
Application temperature	+10 to +35°C

Technical data shown in LATICRETE product data sheets and technical data sheets are typical but reflect laboratory test procedures conducted in laboratory conditions (25 ± 2°C and 55 ± 5% relative humidity).

INSTALLATION

Surface Preparation
The concrete substrate must 28 days old and have compressive strength (minimum 25 N/mm2) with a minimum pull off strength of 1.5 N/mm2. Ensure the substrate is clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc.

Concrete substrates must be prepared mechanically or by scarifying equipment to remove cement laitance and achieve an open textured surface.

Weak concrete must be removed and surface defects such as blow holes and voids must be fully exposed.

Repairs to the substrate, filling of blowholes/voids and surface levelling must be carried out using appropriate repair products like Patch for rapid installation.

Remove all dust, loose and friable material from surfaces preferably by brush or vacuum before application of the product.

Mixing
Mix Part A with a low-speed drill and paddle to a homogenous mix due to possibility of settlement over a period. Add all of part B to part A and mix continuously for 3 minutes to a homogenous mix. It is recommended to transfer the mix into another container and re-mix to achieve a uniform mix.

Application
As a Primer: Prior to application, confirm substrate moisture content, relative humidity and dew point.

Apply Guard Prime EPM by brush, roller, or squeegee. Allow to hard dry for 8 – 24 hrs.

Highly porous and absorbent substrate may require an additional coat of primer.

Use material within its pot life or split the mixed material in 3 - 4 parts and apply simultaneously to achieve pot life.

Apply subsequent Epoxy or PU floor coatings or levelling compound prior to flooring installations.

As a bonding primer for Terrazzo system: Apply Guard Prime EPM with a suitable roller, lay fiber mesh while the film is wet. Press mesh with roller ensuring contact with surface. Allow to cure to hard dry and apply second coat of primer. Broadcast with quartz sand 2 -4 mm size at a coverage of 0.5 – 0.6 kg/sqm while the primer is wet. Allow to hard dry, usually 10 – 24 hrs. Remove excess sand with brush and vacuum. Apply Terrazzo system as per the procedure.

As a moisture barrier coat:

Guard Prime EPM can be applied as a moisture barrier coating in two coats, however, ensure continuous film without pinholes or pores covers the substrate.

Apply epoxy mastic/putty to fill pinholes and craters in concrete surface prior to application of Guard Prime EPM as moisture barrier coat. Apply two coats at interval of 10 – 24 hrs. Allow to hard dry for subsequent finishes.

Ensure moisture content with moisture meter (moisture content < 4%), if required apply additional coats.

Cleaning: Clean tools and mixer with suitable cleaning solvent.

AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide.

For distributor information,

please contact us by email at: enquiry@laticrete.me
or, visit www.laticrete.me

Cost

Contact a LATICRETE® closer distributor to obtain complete information and cost.

WARRANTY

The supplier warrants this product will not deteriorate under normal conditions and use, the warranty validity of one (1) year. The product subject to the terms and conditions stated in the LATICRETE® Product Warranty. Please consult our technical support for further information.

TECHNICAL SERVICES

Technical assistance

For information contact us by email at:
enquiry@laticrete.me

Technical and safety literature

To obtain technical and safety literature, please visit our website at: www.laticrete.me

Warning: The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® unable to directly control the installation conditions and modalities of application of products, do not assume any liability arising from their implementation. Those who want to use the LATICRETE® products must conduct adequate tests to determine the site specifications. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation method and site conditions.