



PRIMER OT

DS-65323-1121

**Globally Proven
Construction Solutions**



1. PRODUCT NAME

PRIMER OT

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

PRIMER OT is a two component, solvent-free epoxy primer for use over concrete containing residual contamination from mineral oils and with slight moisture. It provides strong substrate adhesion and inter-coat bonding when used as a primer coat for LATICRETE® polyaspartic coating systems.

PRIMER OT has high penetration, good chemical resistance and excellent mechanical resistance. It can be used for a variety of substrates such as concrete, including prefabricated or precast concrete.

Uses

- Exterior and interior use
- Promotes strong adhesion and bonding for resinous coating applications, even for substrates with residual contamination from mineral oils
- For use with substrates with slight moisture (<6% RH)

Advantages

- Bonds to oil contaminated concrete
- High bond strength to various substrates
- Can be applied with ambient relative humidity up to 90%

Suitable Substrates

- Concrete
- Tile

Packaging

13 kg, includes:
- 10 kg Part A
- 3 kg Part B

Approximate Coverage / Consumption

~1.5 kg / m² (PRIMER OT mixed with SAND 2)

Consumption values are approximate and will vary based on surface condition, preparation methods and application technique.

Shelf Life

Store in original packaging. Use within one (1) year of manufacture. Do not allow to freeze.

Limitations

- Store between +5°C and +35°C. Protect from frost and excessive heat.
- DO NOT use as a finish wear surface; primer must be coated.
- DO NOT use without mixing sand/quartz.
- DO NOT modify indicated ratios of primer and sand as will affect performance and effectiveness.

Cautions

Thoroughly read all technical data sheets, application guidelines, warranty disclaimers and Safety Data Sheets (SDS) prior to use.

- Under normal conditions, product is not considered harmful to those handling or using.
- Wear safety eye protection and gloves when applying.
- Contact with eyes may cause irritation. Flush eyes with water for 15 minutes, if symptoms persist seek medical attention.
- Keep out of reach of children.

4. TECHNICAL DATA

Physical Properties

Reaction to Fire According to EN 13501-1:	F
Basis:	Epoxy Resins
Appearance:	Pale Yellow
Permeability to Water Vapour (EN 12086):	No
Temperature Resistance:	From -5°C to +55°C
Bond Strength:	> 2,0 N/mm ²

Working Properties

Consistency:	Fluid
Wet Density at 20°C:	1,7 kg/L (± 0.05)
Application Temperature:	From +5°C to +35°C
Application RH:	< 90%
Mix Ratio:	10:3 by weight (A:B)
% Solids:	96% (± 2%)
Working Time:	90 minutes
Dust-free:	6 hours
Dry to Touch:	8 hours
Minimum Re-Coat Time:	10 hours
Maximum Re-Coat Time:	24 hours
Time to Foot Traffic:	24 hours
Final Cure:	7 days

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

Always properly prepare surface as an open, porous surface is necessary for primer bonding. The surface must be deemed structurally and mechanically sound, clean, and dry.

Surfaces to be coated must be thoroughly cleaned of gross contaminants, oil and grease that may impede adhesion prior to application by using STONETECH® KLENZALL™ CLEANER. Surfaces must then be sanded, shot-blasted or mechanical ground depending on level of contamination. Following sanding, the area should be given a quick wipe or vacuum. Never use alcohol to clean the floor.

Newly constructed concrete substrates that have been cured for at least 28 days must be subjected to mechanical abrasion (shot peening) to eliminate the cement milk that forms on the surface. Old deteriorated concrete substrates must be scarified to remove the first layer of a few millimeters that could be friable due to mechanical wear. Existing tile substrates must be mechanically prepared (with abrasion or shot peening) before installation of PRIMER OT. This improves the mechanical bond of the substrate. If wet grinding, allow surface to fully dry prior to coating.

Mixing & Application

Combine Part A with Part B in 10:3 ratio by weight, mechanically mix with a power drill at low speed for approximately 2-3 minutes. After mixing Parts A and B thoroughly, add SAND 2 in a ratio of 1:1 by weight (PRIMER OT : SAND 2). *Do not modify indicated ratios of primer and sand as will affect performance and effectiveness.* After mixing PRIMER OT with SAND 2, product is ready for use and does not require dilution or thinning.

Product can then be applied using a smooth steel trowel, spreader smoother or rubber squeegee.

PRIMER OT will typically be dry to the touch about 8 hours after application, depending on ambient temperature, slab temperature and humidity. Prior to re-coating, PRIMER OT should be lightly sanded with a floor sander with a 60-screen pad or equivalent to help improve adhesion with subsequent resinous coating applications. Following sanding, the area should be given a quick wipe or vacuum prior to re-coating. Never use alcohol or solvents to clean the floor.

Note: Field test areas are required in order to validate performance and adhesion, to ensure system performance as specified for the intended use. It is recommended to apply PRIMER OT in a discrete area (usually in an area affected with the most contamination), and evaluate performance and adhesion 24 hours after application. Contact Technical Services for additional details.

6. AVAILABILITY AND COST

Availability

LATICRETE® materials are available worldwide. For distributor information, please contact LATICRETE Europe S.r.l. a socio unico:

+39 059 535540

info@laticreteurope.com

For on-line distributor information, visit www.laticrete.eu.

Cost

Contact LATICRETE Europe S.r.l. a socio unico to obtain complete information and cost.

7. WARRANTY

The supplier warrants that the product will not deteriorate under normal conditions and use. The warranty validity of one (1) year. Contact Technical Services for further information. See 10. FILING SYSTEM:

- DS 230.13EU: 1 Year Product Warranty

9. TECHNICAL SERVICES

Technical Assistance

Information is available by calling or emailing the Technical Service Hotline:

+39 059 535540

technicalservices@laticreteurope.com

Technical and Safety Literature

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

Warning

The information and the instructions in the data sheet, although based on knowledge gained through years of applications, are indicative. LATICRETE® is unable to directly control the installation methods and conditions of products and does not assume any liability arising from their implementation. Those who want to use LATICRETE® products should 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.

LATICRETE® products are covered by a warranty within the limits of what is established by our general conditions of sale and within the limits of correspondence related to technical specifications and applicable certifications, as expressly indicated in the product data sheets, documentation, or applicable technical documentation.