

DESCRIPTION

LifeTiles® Primer is a low-VOC, water-based acrylic primer that enhances the performance and adhesion of self-leveling underlayments (SLUs) on a wide variety of nonporous and porous substrates. LifeTiles Primer combines excellent versatility with easy, low-odor application.

FEATURES AND BENEFITS

- One-component, versatile primer for a wide variety of substrate conditions
- Single-coat application for faster turnaround and lower installation costs
- Easy handling and application
- Dries to a clear finish
- Fully compatible with LifeTiles® Flooring, LifeTiles® Strip, and LifeTiles® Tape for garage, light commercial, and home gym installations
- 1 gallon covers up to 800 sq ft. depending on application and surface porosity

INDUSTRY STANDARDS AND APPROVALS

LEED v4 Points Contribution LEED Points

Health Product Declaration (HPD)*.....Up to 2 points

* Using this product may help contribute to LEED certification of projects in the category shown above. Points are awarded based on contributions of all project materials.

- CRI Green Label Plus. Refer to the CRI's Website at www.carpet-rug.org for additional information.
- Living Building Challenge (LBC) Red List Free: This product has been verified per the most current Red List on the LBC's

WHERE TO USE

- Use LifeTiles Primer when applying a self-leveling underlayment on properly prepared suitable substrates
- Interior residential (apartments, condominiums, and homes, including home gyms)
- Interior commercial (office buildings, hotel rooms/hallways, restaurants and cafeterias)
- Interior heavy commercial (hotel lobbies, convention centers, airports, shopping malls, grocery stores and department stores)
- Interior institutional (hospitals, schools, universities, libraries and government buildings)
- Enclosed exterior enclosures (garages and parking sheds)

LIMITATIONS

- Do not install over any substrates containing asbestos.
- The floor and room temperature, as well as the flooring materials and primer, must be maintained at temperatures greater than 55°F (13°C), and the relative humidity (RH) must be below 65% for 48 hours before, during and after the installation.
- In all cases, the surface temperature of the prepared concrete slab must be at least 5 degrees F (2,8 degrees C) above the dew point to avoid condensation on the concrete surface as LifeTiles Primer dries.
- For moisture limits on this primer, refer to the moisture limits of the product to be applied over it.
- For use only in dry, interior environments. Do not apply on wet substrates.
- Use undiluted over moisture-stable, exterior-grade plywood.
- Use undiluted over dense, nonabsorbent surfaces, such as epoxy moisture barriers, floor-covering adhesive residue, and ceramic tile and VCT.
- The installation site must be enclosed, except for

SUITABLE SUBSTRATES

- Properly bonded tile, stone and VCT
- Properly installed 100%-solids epoxy moisture barriers
- Epoxy terrazzo, cement terrazzo and poured epoxy flooring
- Cement backer units (CBUs)
- Substrates with traces of well-adhered, water-resistant glue (cutback adhesive, floor-covering adhesive or polyurethane adhesive)
- Dimensionally stable exterior-grade plywood
- Sound and stable concrete substrates, whether smooth and nonabsorbent or profiled and absorbent
- Use over gypsum-based SLUs that are free of gypsum dust before application of cementitious or gypsum-based SLUs.

Contact lifetiles@engineeredfloors.com for installation recommendations regarding any substrates and conditions not listed.

SURFACE PREPARATION

- All substrates must be interior, structurally sound, dry, solid and stable.
- Mechanically prepare existing ceramic, quarry and porcelain tile, as well as cement terrazzo.
- Thoroughly clean all surfaces of any substance that could interfere with the bond of the installation material, including dirt, dust, paint, tar, asphalt, wax, oil, grease, latex compounds, sealers, curing compounds, form release agents, laitance, loose toppings, foreign substances and poorly bonded adhesive residues.
- Do not acid-etch surfaces before applying LifeTiles Primer.

MIXING

LifeTiles Primer is premixed. No additional mixing is required.

GENERAL PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Apply the product with a 3/8" (10 mm) nap roller. Ensure that the surface receives a complete, thin film of product.
- 2a. Nonabsorbent substrates and wood require only one coat of LifeTiles® Primer.
- 2b. Absorbent and gypsum substrates may require more than one coat of LifeTiles® Primer to seal off the substrate and prevent substrate outgassing.
3. The underlayment can typically be applied within 2 to 5 hours (see the "Application Properties" chart).

Drying times will vary depending on the porosity of the surface, temperature and humidity. The maximum wait time from initial application is 24 hours.

4. If the dried LifeTiles Primer remains uncovered for more than 24 hours, re-apply a second, undiluted coat and install the underlayment within the correct application window (see the "Application Properties" chart). If the application window is missed again, remove the primer mechanically and start the installation on the clean substrate.

LIFETILES FLOORING APPLICATION ONLY

- Review the LifeTiles Installation Guide for specific instructions related to use with garage flooring installations.
- For garages, use 1 gallon of LifeTiles Primer per 576 sq ft., or up to 8 boxes of LifeTiles.

CLEANUP

- Clean equipment immediately with water. Mineral spirits may be used to remove primer that has dried on tools.

LABORATORY TESTS	RESULTS
Polymer Type	Acrylic
Percent solids	443% to 45%
VOCs	92 g/l
pH	7 to 8
Viscosity (RV2 @ 20 rpm)	1,400 cps
Density	64.2 lbs per cu. ft. (1.03 g/cm ²)
Consistency	Pourable liquid
Color	White
Application temperature range	50° F to 90° F (10° C to 32° C)

Shelf Life and Application Properties at 73°F (23°C) and 50% relative humidity

Shelf Life	2 years when stored in original, unopened packaging in a dry, covered location
Window for application of SLU at 73° F (23° C)	2 to 3 hours of drying time up to 24 hours from application over porous substrates (concrete, wood and gypsum); 4 to 5 hours of drying time up to 24 hours from application over nonporous substrates (ceramic and VCT)
Flash Point (Seta)	>212°F (100°C)

CSI Division Classification

Cast Underlayment	03 54 00
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