



Schluter®-PRIMER-U



INNOVATIVE SOLUTIONS FOR CERAMIC AND STONE TILE

UNIVERSAL PRIMER

Ceramic and stone tiles are durable, easy to maintain, and hygienic, representing the ideal surface coverings. However, the performance of any surface covering depends on the installation method and materials used. Proper surface preparation is an essential step to ensure a long-lasting application. Schluter®-PRIMER-U is used to enable the use of Schluter® setting materials over difficult-to-bond-to surfaces which helps ensure successful tile installations in a wide range of applications.

Application and Function

Schluter®-PRIMER-U is a ready-to-use, one-component, solvent-free, 100% acrylic, water-based primer. It is used to ensure excellent adhesion when applying Schluter thin-set mortars to difficult-to-bond-to floor and wall surfaces. For floor surfaces these include gypsum underlayment, raised access panels, and existing tile. For wall surfaces this includes suitable solid backing. PRIMER-U is suitable for use with Schluter SET®, Schluter ALL-SET®, and Schluter FAST-SET® in interior applications where increased adhesion is required over various porous and non-porous substrates.

Material Properties and Areas of Application

PRIMER-U is a translucent orange liquid that dries to a slightly glossy film approximately 15-60 minutes after application. PRIMER-U provides a strong bond to gypsum underlayment, concrete, existing tile, glass, plywood and OSB subfloor panels, cut-back adhesive, terrazzo, steel, VCT flooring, well-bonded flooring adhesive residue, epoxy, aluminum, resin-backed mosaic tiles, and latex paint. For wall surfaces, this includes suitable solid backing.

PRIMER-U is not a moisture or vapor barrier. Installation of a vapor retarder is recommended directly under all on or below grade concrete floors. Refer to the building codes effective

in your area for the applicable vapor retarder requirements.

Regardless of age, all concrete floors below, on and above grade shall be tested for moisture according to the latest revisions of the ASTM F2170 Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes or ASTM F1869 Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride. When tested according to ASTM F2170, internal relative humidity (RH) shall not exceed 90%. When tested according to ASTM F1869, moisture vapor emission rate (MVER) shall not exceed 8 lbs./1000 ft²/24 hours.

PRIMER-U was evaluated according to Rule 1168 from the South Coast Air Quality Management District and found to comply with the VOC requirements.



Schluter®-PRIMER-U

Application to substrate

Quantity	Coverage*
1 quart (946 mL)	50-135 ft² (5-12.5 m²)
1 gallon (3.78 L)	250-550 ft² (23-51 m²)

*Coverage will depend on the porosity of the substrate and method (i.e., brush, roller, sponge, etc.) of application.

Limitations

- Not for use in exterior applications.
- Not for use in submerged applications unless waterproofing is applied.
- Vapor emissions requirements:
 - ASTM F2170 – Internal relative humidity (RH) shall not exceed 90%
 - ASTM F1869 – Moisture vapor emission rate (MVER) shall not exceed 8 lbs/1000 sq ft/24 hours
- For glossy painted surfaces ensure the finish is scarified.
- For all painted surfaces, ensure the surface is clean and free from contaminants.

Cautions

Refer to Safety Data Sheet (SDS) for health and safety information.

Installation

Planning

For complete installation guidelines and warranty criteria, please contact Schluter®-Systems at 800-472-4588 (USA) or 800-667-8746 (Canada) or by e-mail at info@schluter.com to receive a copy of the appropriate Schluter® Installation Handbook for your



application and a step-by-step installation video. To download a PDF version of the Handbook or view the installation video online, please visit Schluter.com.

Surface Preparation

The surface where PRIMER-U is to be applied must be structurally sound, clean, smooth, dry, and free of moisture. Any contaminants (i.e., paint, grease, oil, sealers, curing compounds, etc.) and/or flooring adhesive that is not well adhered or may prevent proper bond must be removed. Thoroughly clean surface to remove dirt and debris.

Mixing

Solid resin may settle during shipping and storage. Stir or mix thoroughly before use. Do not dilute.

Application

The application area shall be fully enclosed, weather tight, with an operating HVAC system. PRIMER-U must be acclimated to ambient conditions and applied when the ambient temperatures are between 65°- 85°F (18 - 29°C). Prior to PRIMER-U placement, the installation surface/ application area must be acclimated to ambient conditions between 65°- 85°F (18 - 29°C). Ensure the primer and application area are acclimated for 48 hours prior to use. The relative humidity of the application area shall be maintained between 35-55%.

Carefully read all instructions before application. Do not dilute primer. Pour an adequate amount of primer from container directly onto the substrate or pour primer from container into a paint tray.

1. Apply a thin, even coat using a 3/8" (10 mm) medium-nap paint roller, foam roller, or a similar brush, broom, sponge, or garden-type sprayer. Do not leave any bare spots or excessive amounts of primer. Keep roller wet throughout the application process.

Notes:

- Replace rollers regularly and between applications to avoid drying on roller.
 - Very absorbent surfaces, such as gypsum underlayment, may require more than one coat of primer.
 - A foam roller is recommended for non-porous substrates (e.g., polished porcelain, metal) and wall surfaces.
 - For vertical/ wall surfaces, ensure even coverage across the entire application surface area.
2. Once applied, the primer must be allowed to dry to the touch and not transfer to finger. Allow the coat to dry fully before applying thin-set mortar.

Note: If PRIMER-U remains uncovered for more than 48 hours, apply a second coat.

Clean Up

Clean roller or brush with water while PRIMER-U is still wet. Remove wet primer from tools and equipment with soapy water and a clean cloth. Use mineral spirits to remove dried primer. Use caution when handling flammable solvents.

Drying Time

The drying time of PRIMER-U depends on the porosity of the substrate, the air temperature, and relative humidity. Under average drying conditions of 70°F (21°C) and 55% RH, PRIMER-U will dry in 15-60 minutes. Protect from exposure to moisture for at least 4 hours.

Maintenance

Shelf life and storage: 12 months from the manufacture date on the package in properly stored containers. PRIMER-U must be stored between 50°F (10°C) and 90°F (32°C). Keep containers tightly closed when not in use. Rotate stock and use oldest material first.

Freeze-thaw stability: 5 cycles at 0°F (-18°C). If primer has frozen, allow to thaw at room temperature. Settling of solid resin may occur as a result of freeze-thaw. Stir thoroughly before use.

Product Item Numbers

Schluter®-PRIMER-U

Universal Primer

Item No.	Quantity
PRMUQT1	1 quart (946 mL)
PRMU1	1 gallon (3.78 L)

WARRANTIES

Schluter-Systems products and systems are covered under our warranty program, as applicable. For details and to access Schluter Systems' warranty documents:

Visit www.schluter.com/warranties

Or scan here



To obtain hard copies, please contact Customer Service at: 800-472-4588 (USA) or 800-667-8746 (Canada).



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