



PROFILE OF INNOVATION

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 surfaces such as gypsum underlayment, raised access panels, and existing tile. 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.

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 gallon (3.78 L) | 250-550 ft ² (23-51 m ²) |
| 5 gallons (18.9 L) | 1250-2750 ft ² (116-255 m ²) |

*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

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 www.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 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). 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).
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 |
| PRMU1 | | 1 gallon (3.78 L) |
| PRMU5 | | 5 gallon (18.9 L) |

Schluter®-PRIMER-U One-Year Limited Warranty

COVERAGE AND CONDITIONS: Subject to the conditions and limitations as stated in this **Schluter®-PRIMER-U One-Year Limited Warranty** (the “**Limited Warranty**”), Schluter Systems warrants that its Schluter®-PRIMER-U products (collectively, the “**Product**”) will be free from manufacturing defects and will not fail under normal usage for one (1) year when the Product is installed and used within its shelf life and in accordance with the terms and conditions of the Product’s technical data sheet (the “**Technical Data Sheet**”), available at https://www.schluter.com/schluter-us/en_US/downloadfiles, and industry standard guidelines that are not in conflict with the Technical Data Sheet in effect at the time of installation.

This Limited Warranty is only applicable to installations in the United States of America and Canada. Schluter Systems is not responsible or liable under any circumstances for determining the suitability of the Product for the user’s intended purpose. It is the responsibility of the original end user of the property in which the Product is being installed (the “**Owner**”) to consult with an experienced and professional installer to ensure the suitability of the Product, subfloor/substrate and all building materials in the installation and that the Technical Data Sheet is followed properly.

RESOLUTION: If the Product is installed and used within its shelf life and in accordance with the terms and conditions as described hereinabove and the Product is proven defective within the warranty period stated in this Limited Warranty, the Owner shall receive, as Owner’s exclusive remedy and the sole obligation of Schluter Systems, Schluter Systems replacement Product for only that specific portion of the original installation proven defective and requiring replacement.

EXCLUSIONS FROM COVERAGE: This Limited Warranty excludes and in no event shall Schluter Systems have any liability for any indirect, special, incidental, punitive, exemplary, or consequential damages, including lost profits, arising out of or otherwise connected to the failure of the Product, regardless of any strict liability or active or passive negligence of Schluter Systems, and regardless of legal theory, whether in contract, tort, extra-contractual or other. This Limited Warranty further excludes any loss or damage arising out of or otherwise connected to: acts of war, terrorism, fire, explosion, natural disaster, acts of God, inadequate subfloor/substrate, improper preparation or other failure of subfloor/substrate, faulty or negligent penetration of the Product or subfloor/substrate, intentional acts of destruction, structural failure, misuse of or failure to maintain the Product, normal wear and tear, scratches, dents, corrosion or discoloration (whether caused by excessive heat, chemical cleaning products, abrasive agents or otherwise), efflorescence and shading which are a natural occurrence with cementitious materials and are not considered a defective condition for the purposes of this Limited Warranty, variations of texture, color or shade from those on product samples, packaging materials or other marketing materials, or other causes unrelated to the Product (e.g. surface covering failure, excess point loading). This Limited Warranty excludes submerged and steam room applications and further excludes applications using glass tile, moisture sensitive stone, or other non-approved surface coverings, unless specifically approved in writing on a case by case basis by the Schluter Systems Technical Services Director.

DISCLAIMER: There are no warranties beyond this expressed warranty as stated herein. To the extent permitted by law, all other warranties, representations or conditions, expressed or implied, are hereby disclaimed and excluded, including but not limited to the implied warranties of **MERCHANTABILITY** or **FITNESS FOR A PARTICULAR PURPOSE** or arising from a course of dealing, usage of trade or otherwise by law. ANY IMPLIED WARRANTIES ARISING BY OPERATION OF LAW ARE LIMITED IN DURATION TO THE TERM OF THIS LIMITED WARRANTY. NO REPRESENTATION, PROMISE, AFFIRMATION OR STATEMENT BY ANY EMPLOYEE OR AGENT OF SCHLUTER SYSTEMS WILL BE ENFORCEABLE AGAINST SCHLUTER SYSTEMS UNLESS IT IS SPECIFICALLY INCLUDED IN THIS LIMITED WARRANTY OR AUTHORIZED IN WRITING BY THE SCHLUTER SYSTEMS TECHNICAL SERVICES DIRECTOR. This Limited Warranty is given in lieu of any other warranty, whether expressed or implied. The remedies contained herein are the only remedies available for breach of this Limited Warranty. Schluter Systems excludes and in no event shall have any liability for any indirect, special, incidental, punitive, exemplary, or consequential damages, including lost profits, arising out of or otherwise connected to failure of the Product. This Limited Warranty extends only to the Owner and is not transferable or assignable unless authorized by written agreement and signed by the Schluter Systems Technical Services Director or otherwise prohibited by specific state or provincial law. This Limited Warranty gives you specific legal rights; some states and provinces do not allow disclaimers or other restrictions of implied warranties; some of the above disclaimers may not apply to you. **No changes or modifications of any terms or conditions of this Limited Warranty are permitted unless duly authorized in writing by the Schluter Systems Technical Services Director.** This Limited Warranty shall supersede and replace any and all prior oral or written warranties, agreements, or other representations made by or on behalf of Schluter Systems relative to the Product or the application of the Product and shall apply to any installation occurring on or after December 1, 2021. For the most current information and materials regarding Schluter Systems warranties and programs, please visit www.schluter.com.

MAKING A CLAIM: To make a claim under this Limited Warranty, the Owner must provide Schluter Systems with written notice within thirty (30) days of any alleged defect in the Products covered by this Limited Warranty, together with date and proof of purchase of the Products and name and address of all installers, failing which this Limited Warranty shall have no legal effect. Schluter Systems reserves the right at its election and as a condition of this Limited Warranty to inspect the alleged failed and/or defective Product.

All U.S. Claims shall be sent to:

Schluter Systems L.P.
Attn: Warranty Claims Dept.
194 Pleasant Ridge Road
Plattsburgh, NY 12901-5841

All Canadian Claims shall be sent to:

Schluter Systems (Canada), Inc.
Attn: Warranty Claims Dept.
21100 chemin Ste-Marie
Ste-Anne-de-Bellevue, QC H9X 3Y8



Schluter Systems L.P. • 194 Pleasant Ridge Road, Plattsburgh, NY 12901-5841 • Tel.: 800-472-4588 • Fax: 800-477-9783
Schluter Systems (Canada) Inc. • 21100 chemin Ste-Marie, Ste-Anne-de-Bellevue, QC H9X 3Y8 • Tel.: 800-667-8746 • Fax: 877-667-2410

www.schluter.com

This technical data sheet is subject to change without notice. Please visit www.schluter.com for the latest version.