



# Schluter®-PRIMER-PS



## INNOVATIVE SOLUTIONS FOR CERAMIC AND STONE TILE

### PEEL AND STICK 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-PS is used to enable the use of Schluter® peel and stick membranes over difficult-to-bond-to surfaces which helps ensure successful tile installations in a wide range of applications.

### Application and Function

Schluter®-PRIMER-PS is a ready-to-use, one-component, solvent-free, water-based primer formulated to enhance the bond of Schluter peel and stick membranes to difficult-to-bond-to surfaces such as OSB, plywood, gypsum concrete, or vinyl. PRIMER-PS is suitable for use with Schluter®-DITRA-PS, DITRA-HEAT-PS, and DITRA-HEAT-DUO-PS. PRIMER-PS can be used in interior applications where increased adhesion is required over various porous and non-porous substrates.

### Material Properties and Areas of Application

PRIMER-PS is a translucent gray liquid that dries to a slightly tacky film approximately 10-60 minutes after application. PRIMER-PS provides a strong bond to concrete, gypsum concrete, plywood, OSB subfloor panels, existing tile, steel, resilient flooring (vinyl), well-bonded flooring adhesive residue, and more. Primer is not a requirement for installation of Schluter peel-and-stick membranes, but for optimal performance the use of one is strongly encouraged. This is especially the case for wood-frame construction. For any questions relating to substrate suitability, please contact Schluter®-Systems at 800-472-4588 (USA) or 800-667-8746 (Canada) or by e-mail at info@schluter.com.

PRIMER-PS is not a moisture or vapor barrier. Installation of a 0.010" (0.25 mm) or greater

effective moisture retarder is recommended directly under all on or below grade concrete floors.

Regardless of age, all concrete floors below, on and above grade shall be tested for moisture according to the latest revisions of ASTM F2170 (Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes) and 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 85%. When tested according to ASTM F1869, moisture vapor emission rate (MVER) shall not exceed 8 lbs./1000 ft<sup>2</sup>/24 hours.

### Limitations

- Not for use in exterior applications.
- Not for use in submerged applications unless waterproofing is applied.

### Cautions

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

### Coverage

#### Application to substrate

Quantity	Coverage*
1 quart (946 mL) jug	50-113 ft <sup>2</sup> (5-10.5 m <sup>2</sup> )
1 gallon (3.78 L) jug	250-450 ft <sup>2</sup> (23-42 m <sup>2</sup> )

\*Coverage will depend on the porosity of the substrate.

### 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



Schluter®-PRIMER-PS

#### Product Properties – PRIMER-PS

Base	Styrene-butadiene
Specific Gravity	1.02 - 1.04
Viscosity	100 - 120 cP
Solids	30% ± 2%
Color	Gray (Dries semi-transparent)
Dry-Time	10-60 min, conditions dependent
VOC	<1 gram/liter per SCAQMD Rule 1168
Coverage	250 - 450 sq ft per gal

installation video online, please visit Schluter.com.

### Surface Preparation

The surface where PRIMER-PS is to be applied must be clean, smooth, dry, and free of moisture. Any contaminants such as paint, grease, oil, pen markings, sealers, curing compounds, flooring adhesive residue that is not well bonded, etc. that may prevent proper

bond must be removed. Thoroughly clean surface to remove dirt and debris.

PRIMER-PS is not a substitute for proper surface preparation. Inadequate surface preparation may lead to a poor bond or no bond at all.

### Mixing

Due to shipping and storage, settling of solid resin may occur. Stir thoroughly before use. Do not dilute.

### Application

The application area shall be fully enclosed, weather tight, with an installed operating HVAC system. The application area, substrate, and primer must be acclimated and applied at a temperature between 40°- 85°F (5° - 30°C) 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. Any puddling during application will significantly delay dry time, especially over less porous substrates.

1. Apply a thin, even coat using a 1/4" (6 mm) medium-nap paint roller, or a similar brush, sponge, or garden-type sprayer. Do not leave any bare spots or excessive amounts of primer.

### Notes:

- Keep roller wet throughout the application process.
  - Replace rollers regularly and between applications to avoid drying on roller.
  - PRIMER-PS is a topical primer, so it is crucial to apply a uniform, thin coat for consistent dry time and performance in the application area.
  - For best application method, a 1/4" (6 mm) medium-nap paint roller is recommended.
2. Once applied, the primer must be allowed to dry to the touch and not transfer to finger. Drying will take approximately 10-60 minutes depending upon substrate porosity, room temperature, and humidity. Allow the coat to dry fully before applying the peel and stick membrane.

**Note:** If PRIMER-PS remains uncovered for more than 48 hours, apply a second coat. If the installer is unsure if PRIMER-PS is ready for membrane to be applied, test the bond with a small spot check to determine if initial bond is adequate. If the membrane does not initially form a bond, the primer needs further time to dry.

### Clean Up

Clean roller or brush with water while PRIMER-PS 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-PS on the porosity of the substrate, the air temperature and relative humidity. Under average drying conditions, [70°F (21°C), 55% RH], PRIMER-PS will dry in 10-60 minutes. Excessive coat thickness will extend drying time and delay membrane installation.

### Maintenance

**Shelf life and storage:** 12 months from the manufacture date on the package in properly stored containers. PRIMER-PS 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 the oldest material first.

**Freeze-thaw stability:** 1 cycles at 0°F (-18°C). If primer has frozen, allow to thaw under normal room temperature. Settling of solid resin may occur as a result of freeze-thaw. Stir thoroughly before use.

## Product Item Numbers

Schluter®-PRIMER-PS		Peel and Stick Primer
Item No.	Quantity	
PRMPSQT	1 quart (946 mL) jug	
PRMPS1	1 gallon (3.78 L) jug	

## Schluter Primer Comparison Chart

Property	PRIMER-PS	PRIMER-U
Primer Type	Topical	Penetrating
Solids Content	30%	20%
Viscosity	100-120 cP	75-100 cP
Color	Gray	Orange
Dry Time	10 - 60 min	15 - 60 min
VOC	<1 gram/liter per SCAQMD Rule 1168	<1 gram/liter per SCAQMD Rule 1168
Coverage	250 – 450 sq ft per gallon	250 - 550 sq ft per gallon
Preferred Application Method	1/4" nap roller	3/8" nap roller
Relative Humidity	< 85%	< 85%
MVER (Moisture Vapor Emission Rate)	8 lbs per 1000 sq ft	8 lbs per 1000 sq ft
Application Area	Peel and stick membranes	Thin-set / Peel and Stick Membranes

# Schluter®-PRIMER-PS One-Year Limited Warranty

**COVERAGE AND CONDITIONS:** Subject to the conditions and limitations as stated in this Schluter®-PRIMER-PS One-Year Limited Warranty (the “Limited Warranty”), Schluter Systems warrants that its Schluter®-PRIMER-PS 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](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 October 1, 2024. For the most current information and materials regarding Schluter Systems warranties and programs, please visit 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



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🌐 [schluter.com](https://www.schluter.com)

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