



UNDERLAY SLU

CEMENTITIOUS SELF-LEVELING UNDERLAYMENT

- Quick setting
- Ideal for leveling from feather edge to $3/4$ " thickness*
- Installer friendly
- Minimal labor required

*Due to metal lath, plywood installation pours must be between $1/4$ " and $3/4$ " thickness



1. Product Name

Underlay SLU

2. Manufacturer

Parex USA, Inc.

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3. Product Description

Merkrete Underlay SLU is a pourable, pumpable and free-flowing Portland cement-based underlayment for rapid leveling interior substrates. SLU can be poured from feather edge to $3/4$ " thickness in one pour. Underlay SLU is specifically formulated to smooth out and level substrates with excellent durability for the installation of all floor coverings.

Uses

Underlay SLU can be used interior for leveling uneven concrete or exterior-grade plywood floors, smoothing rough and spalled concrete using minimum labor. Underlay SLU is an excellent self-leveler for large format tile installations. SLU is ideal for new construction and remodeling projects in residential and commercial applications.

4. Technical Data

TEST PARAMETERS	
<i>Compressive Strength, PSI</i>	
7-Day	2,400
14-Day	3,900
28-Day	4,100
<i>Taber Abrasion, revolutions</i>	
	633

Packaging

50-lb. (22.7-kg) bag; 48 bags per pallet | Color: Gray

Shelf Life

Reference Parex USA Expiration Date of Products Technical Bulletin.

5. Installation

Surface Preparation

All surfaces must be primed with SLU Primer and should be between 40° F (4° C) and 95° F (35° C). All surfaces to receive Underlay SLU must be structurally sound and well bonded to the subfloor, dry, free of old adhesives, paint, wax, dirt, grease, or any other foreign materials that may inhibit bond before application of the SLU Primer.



Substrates

Concrete Floors: Prime concrete surfaces with SLU Primer diluted 1:1 with water. Apply a consistent coat using a paint roller or brush. On extremely porous concrete, two applications are recommended. Allow SLU Primer to dry to a tacky surface before applying Underlay SLU.

Plywood: When leveling plywood surfaces prime as follows: dilute SLU Primer at a ratio of 1 gallon of SLU Primer to 1/2 gallon (1.89 l) of water, then mix in 1 1/2 gallon (5.68 l) of Underlay SLU powder. Using a broom or brush, apply slurry over the plywood subfloor. When slurry has dried, fasten galvanized metal lath to the floor.

Special Surfaces: For surfaces like well-bonded marble, terrazzo, and existing tile surfaces, follow the primer directions above for plywood surfaces. Metal lath is not necessary over existing tile surfaces.

Mixing

Concrete: In a clean container, mix one 50-lb. (22.7-kg) bag of Underlay SLU with water an amount not to exceed 6 quarts. Always add the powder to the liquid slowly and stir with a mechanical mixer (650 RPM) to obtain an evenly distributed and lump-free mixture.

Plywood and Special Surfaces: In a clean container, mix one 50-lb. (22.7-kg) bag of Underlay SLU to a mixture of 1 quart of SLU Primer and 5 1/2 quarts of water (liquid mixture should not exceed 7 quarts). Always add the powder to the liquid slowly and stir with a mechanical mixer (650 RPM) to obtain an evenly distributed and lump-free mixture.

Application

Pour or pump the Underlay SLU over the primed surface and spread with gauging rake or mortar spreader. Underlay SLU underlayment should be ready for light foot traffic in approximately 4 hours. When Underlay SLU has hardened, ceramic tile may be installed using one of Merkrete's latex-modified dry set mortars. For other finish materials such as vinyl tile, linoleum, carpet and wood parquet, follow manufacturer's recommendations on substrate moisture content requirements, and allow Underlay SLU to dry accordingly.

Cleaning

Water is all that is needed to remove any uncured underlayment from tools and equipment. Wash immediately after use. Clean tools and container between different mixtures.

Coverage

50-lb. bag will cover 50 sq. ft. at 1/8" thickness; 25 sq. ft. at 1/4" thickness

Limitations

All surfaces must be primed with Merkrete SLU Primer and should be between 40° F (4° C) and 95° F (35° C). Use caution to not allow mortar to freeze for the first 72 hours. For interior use only. Do not use over gypsum-based surfaces. Underlay SLU is not a wearing surface. Deflection of the substrate can not exceed 1/360 of the span including live and dead load. For use of Underlay SLU over additional substrates or situations not mentioned in these instructions, contact Merkrete Technical Services.

6. Availability

Merkrete Underlay SLU is available at leading tile houses and construction distributors. Contact Merkrete 866-516-0061 or visit our website for the name of the nearest dealer at www.merkrete.com.

7. Warranty

5-year, 10-year and Limited Lifetime warranties are available. Contact Merkrete Technical Services or visit our website for specific warranty information. Merkrete Systems warrants that this product meets applicable ANSI standards in force at the time of manufacture.

8. Maintenance

None required, but installation performance and durability may depend on properly maintaining products supplied by other manufacturers.

9. Technical Services

Merkrete Systems maintains technical field representatives available throughout the country. Call Technical Services at 800-226-2424 for the nearest representative.

10. Literature

For the most up-to-date technical information (details, submittals, SDSs or data sheets), refer to our websites at www.parexusa.com or www.merkrete.com.



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