

Mer-Krete™ Underlay SLU

CEMENTITIOUS SELF LEVELING UNDERLAYMENT

1. PRODUCT NAME

Underlay SLU

Cementitious Self Leveling Underlayment

2. MANUFACTURER

Mer-Krete Systems
501 Van Ness Avenue
Torrance, CA 90501
PH (323) 775-2461
FAX (310) 320-4938
(800) 851-6303
www.merkrete.com

3. PRODUCT DESCRIPTION

Mer-Krete Underlay SLU self leveling underlayment is a Portland cement based pourable pumpable and free flowing underlayment for rapid leveling of interior substrates. Can be poured from featheredge to 3/4" thickness in one pour. **Underlay SLU** is specifically formulated to smooth out and level substrates with excellent durability, and is acceptable for the installation of all floor coverings.

BASIC USE

Underlay SLU can be used interior for leveling uneven concrete or exterior grade plywood floors, smoothing rough and spalled concrete with a minimum amount of labor. Ideal for new construction and remodeling projects, in both residential and commercial applications.

ADVANTAGES

Quick-setting
Installer friendly
Minimum labor required.
Ideal for leveling from featheredge to 3/4" thickness*.
** Plywood installations; due to metal lath, pours must be between 1/4" and 3/4" thickness.*

LIMITATIONS

All surfaces must be primed with **Mer-Krete SLU Primer** and should be between 40°F (4°C) and 95°F (35°C). Use caution; do 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 Mer-Krete Technical department.

4. TECHNICAL INFORMATION

COLORS

Gray

PACKAGING

50 lbs. (22.7 kg.) bag.

SHELF LIFE

12 months when stored off the ground in dry heated area. Protect from moisture.

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 sub floor and shall be dry, free of old adhesives, paint, wax, dirt, grease, or any other foreign materials that may inhibit bond before application of the **SLU Primer**.

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For the latest and most current product information, make sure to visit our website at: www.merkrete.com

TECHNICAL ASSISTANCE:

Specification assistance is highly recommended prior to a proposed installation. Contact any Mer-Krete technical representative for recommendations over existing substrates or problem areas.



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Concrete Floors

Prime concrete surfaces, with **SLU Primer** diluted 1 to 1 with water. Apply a consistent coat using a broom 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 (1.89L) of water, then mix in 1 1/2 gallon (5.68 L) of **Underlay SLU** powder. Using a broom or brush, prime 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 not necessary over tile surfaces.

MIXING

Concrete

In a clean container, mix one 50lb. (22.7Kg) of **Underlay SLU** to 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. Allow mixture to set for approximately 3 to 5 minutes. Remix before application.

Plywood and Special Surfaces

In a clean container, mix one 50lb. (22.7Kg) of **Underlay SLU** to a mixture of 1 quart of **SLU Primer** and 5 1/2 quarts of water (liquid mixture should 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. Allow mixture to set for approximately 3 to 5 minutes. Remix before application.

APPLICATION

Pour or pump the **Underlay SLU** underlayment 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** underlayment has hardened; ceramic tile may be installed using one of Mer-Krete's latex-modified dry set mortars. For other finish materials such as vinyl tile, linoleum, carpet, and wood parquet, follow manufacturers recommendations on substrate moisture content requirements: Allow **Underlay SLU** to dry in accordance with these manufacturers recommendations.

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.

6. AVAILABILITY

Mer-Krete materials are available worldwide. For distributor information, call toll free (800) 851-6303

7. WARRANTY

Mer-Krete warrants that this product meets applicable ANSI standards in force at the time of manufacture. Mer-Krete will replace any product which proves defective due to quality of ingredients used or due to the manufacturing process itself. The warranty shall apply only if the product is installed and used strictly in accordance with applicable industry standards, specifications, and instructions provided by Mer-Krete. Mer-Krete shall not be liable for misapplication, misuse or abuse of the product, application as other event outside of its control. Replacement of defective product or, at Mer-Krete's option, refund of the price of product of any defective item shall be the buyer's sole remedy under this warranty. Mer-Krete shall in no event be liable for any damages in excess of the purchase price of the defective product. MER-KRETE SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL OR SPECIAL DAMAGES.

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This warranty constitutes the sole and exclusive warranty given by Mer-Krete in connection with this product, and Mer-Krete has authorized no person to make or give any other warranties, or representations, oral or written, on its behalf. IN PARTICULAR, THERE ARE NO IMPLIED WARRANTIES, INCLUDING WITHOUT EXCEPTION, WARRANTIES, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. No modification of this warranty in favor of any buyer shall be valid unless given in writing and signed by an officer of Mer-Krete.

8. MAINTENANCE

None required.

9. TECHNICAL SERVICES

Mer-Krete maintains technical field representatives available throughout the country. For distributor information, call Toll Free (800) 851-6303.

10. FILING SYSTEMS

Mer-Krete Architectural Product Catalog and CD Rom.
www.merkrete.com

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