



LA-O-TEX® UNDERLAYMENT SYSTEM

Trowelable, Portland Cement Based,
Floor Leveler For Applications 0" - 3/8"

Product Information

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La-O-TEX Underlayment is a self-curing, Portland cement based, fine aggregate and liquid latex based floor leveling system designed for fills from feather-edge to a depth of 3/8". It is designed to be used over concrete or other Portland cement-based substrates. Produced under rigid control and formulated of the highest quality latex and cement, **La-O-TEX Underlayment** conforms to the highest quality standards.

BASIC USE

La-O-TEX Underlayment is for leveling concrete floors prior to the installation of resilient floor coverings, wood flooring or ceramic tile. **La-O-TEX Underlayment's** easy mixing procedure and ease of application insure time and money savings. It provides a surface with high compressive strength that is water, acid and alkali resistant with a permanent, vibration resistant bond. Due to the special particle distribution, it will featheredge without crumbling and can be used on interior or exterior installations. When properly mixed, the underlayment will not shrink when setting. **La-O-TEX Underlayment** resists breakdown due to dampness and cures to a semi-resilient but very tough surface which will not check, crack, or break-up. Like all concrete products, strength increases significantly during the initial 28 days.

AREA OF USE

La-O-TEX Underlayment is used on interior or exterior applications from 0" to 3/8" thickness. For pours over 3/8" thick, a two-pour procedure must be followed. **La-O-TEX Underlayment** may be used as a wearing surface in areas that do not require high chemical resistance. For fills in excess of 3/8" and up to 1 1/2", use **La-O-TEX Special 3-1 Underlayment System**.

LIMITATIONS

La-O-TEX Underlayment must not be used over gypsum-based surfaces, paints, particleboard, luan plywood, plastics, old adhesive residue, vinyl products, waterproofing or crack isolation membranes, epoxy or urethane coverings. Use in temperature range of 40°F to 90°F (Do Not allow mortar to freeze for the first 72 hours).

APPLICABLE STANDARDS

There are no industry standards established for this product.

PACKAGING

COLOR: Gray.
TEXTURE: A free-flowing white liquid component and a gray powder consisting of cement and organic chemicals.

PACKAGING: No. 1 Unit = one gallon liquid and 35 lbs. powder
No. 5 Unit = 5 gallon liquid and five-35 lbs. powder
No. 55 Unit = 55 gallon drum liquid and fifty-five -35 lbs. powder

PALLET SIZES: Liquid: 5 gallon pails (36 pails per pallet)
Powder: 35 lbs. Bag (100 per pallet)

INSTALLATION

Preparatory Work

All surfaces to receive **La-O-TEX Underlayment** must be free of structural movement, clean and free from dust, efflorescence, loose particles, sealers, curing compounds, oils, surface hardeners, paint, waterproofing or crack isolation compounds, chemically treated surfaces, cut-back residue, old adhesives, foreign matter and other anti-adherents. Cleaning may be accomplished via mechanical sanding, scraping, chipping or shot blasting. Remember, the **La-O-TEX Underlayment** system is only as good as the substrate it is applied to.

Use Only With TexRite La-O-TEX Liquid Admixture.

Cementitious Substrates

Concrete sub-floors must first be primed or brush-coated with undiluted **La-O-TEX Liquid Admixture**. Allow primed coat to become "tacky," then proceed with topping coat. Concrete floors must be sufficiently clean, cured and free of excessive moisture.

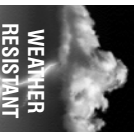
Wood Surfaces

Installations over plywood are restricted to interior dry areas only. Painted or galvanized metal lathe must be nailed to plywood floors prior to installing **La-O-TEX Underlayment**. For patching or leveling wood surfaces, you may also use other TexRite products such as **Port-A-Patch**, **FeatherRite** or **FlowRite** following the instructions on the applicable data sheet.

Expansion Joints

Expansion joints, contraction joints, construction joints or structural cracks shall never be bridged over with **La-O-TEX Underlayment**. They should continue through the underlayment and the subsequent flooring material. Install expansion joints through the **La-O-TEX Underlayment** where it abuts restraining surfaces such as perimeter walls, dissimilar floors, curbs, columns, and pipes. An architect or structural engineer must specify expansion joints and show location and details on drawings. Follow procedures EJ171 in the TCNA Handbook.

NO-MOLD
GROWTH
FORMULA



LA-O-TEX®
UNDERLAYMENT

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Mixing

Using a clean container, add **La-O-Tex Underlayment** powder to **La-O-Tex Liquid Admixture**. Always add powder to the liquid at the rate of 35 lbs. powder to 3 qts. of liquid. Mix with a low speed drill (300 rpm). Do not over mix. Mix only until a trowelable smooth paste consistency is obtained. (Do not use a high-speed electric type mixer.) If adjustment is required, do not add water; add only liquid latex as required. Mix only the amount that can be troweled on to surfaces in 30 to 40 minutes.

Application

All surfaces to receive **La-O-Tex Underlayment** must first be primed or brush-coated with **La-O-Tex Liquid Admixture**. Allow prime coat to become "tacky" then proceed with topping coat. Do not apply at temperatures below 40° F, or in extremely hot weather exposed to the direct sun. **La-O-Tex Underlayment** is for applications from feather-edge to 3/8" depth. When underlayment has been placed in the area to be covered, it should be keyed in to the concrete floor with the trowel thus assuring good adhesion and bond. Then apply to desired thickness. Start finishing immediately, using a steel trowel. Do not over trowel. Unlike regular cement mix, this product should not be over troweled or retroweled. When applying large areas, screed sur-

face with strike-off bar using two men to prevent skinning, as skinned-over underlayment is more difficult to finish without tearing surface. If extra smooth finish is desired, allow mixture to firm, then sprinkle with **La-O-Tex Liquid Admixture** and lightly trowel until desired finish is reached. Clean tools as work progresses. Do not allow Underlayment to dry on tools.

Multiple layers of underlayment shall require priming between pours and a minimum cure time of 24 hours is recommended before applying additional layers. Do not exceed three layers of application.

Coverage

Coverage will be approximately 35 square feet per 35 pound bag at 1/8 inch thickness.

Cleaning

Water is all that is needed to remove uncured admixture.

Curing

A minimum cure is obtained in 24 hours, depending on ambient temperature. Overnight drying (24 Hrs.) at normal room temperature is recommended before fine sanding or applying floor coverings 1/8" thickness or less.

SPECIFICATIONS

Technical Data: La-O-Tex Underlayment System

Test	Typical Values
A. Working Time	30 minutes @ 70°F
B. Initial Set	2 hours @ 70°F
C. Final Set	8 hours @ 70°F
D. Compressive Strength (ASTM C109)	
	7 days 3375 psi
	28 days 4000 psi
E. Flexural Strength (ASTM C348)	28 days 750 psi
F. Tensile Strength (ASTM C190)	28 days 370 psi
G. Bond Strength (ASTM D3931)	28 days 500 psi
H. Shipping Weight (1 Gallon Liquid plus 1-35# Bag Powder)	44 lbs./Unit
I. Consistency	Paste
J. Suitable as Wearing Surface	Yes
K. Recommended for Intermittent Moisture	Yes

L. **SAFETY - CAUTION:** Powder - may cause eye, skin, or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Recommend use of a NIOSH approved respirators or mask for Silica dust. Contains Portland cement. If any cement or cement mixture gets into eyes, flush immediately and repeatedly with water and consult physician promptly. Freshly mixed cement, mortar, concrete, or grout may cause skin injury. Avoid contact with skin where possible and wash exposed skin areas promptly with water. Liquid-Avoid inhalation of vapors, use in well ventilated areas. Avoid contact with eyes or skin. In case of contact with eyes, flush with water and call physician immediately; for skin contact, wash with warm soapy water. If material is swallowed, call physician immediately.

KEEP OUT OF THE REACH OF CHILDREN.

M. Storage Life-Liquid-One year; Powder-One year if kept in dry sealed bags. Protect from freezing.

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