

LIFE

SPECIALTY COATINGS

AL UT System

Waterproofing - Plywood

Specification Guide

Acrylic Cement

Description

Life Deck AL UT (Acrylic Lath Under Tile) is a metal lath reinforced deck system installed with a series of two separate cementitious applications over a waterproofing bitumous layer. It is bonded together with a specially formulated acrylic emulsion.

Uses & Recommended Surfaces

The AL UT system works only on plywood walking decks. It is recommended for the discriminating contractor or building owner who demands the finest in design, strength and durability. The AL UT is ideal for under tile installations, podium decks, or under slab. Life Deck AL UT has been designed for balconies, corridors, stairs and landings. It can be stapled through most old deck systems to provide an excellent method for the rehabilitation of problem surfaces.

- Balconies
- Breezeways
- Stairways
- Patio Covers

Features

- Fast Drying
- Sound Reduction
- Extremely Durable

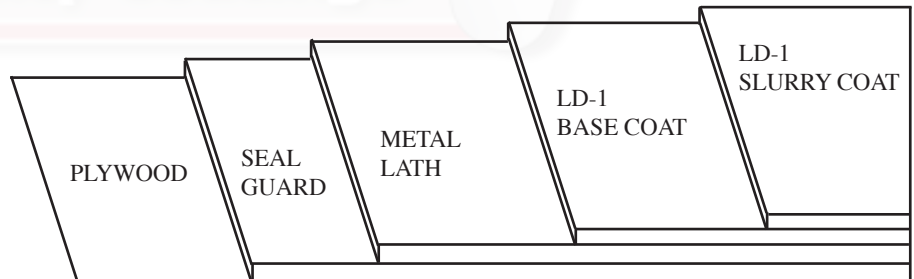
Products

Seal Guard- LDSG36

Metal Lath, 2.5 Galvanized- MTL

Acrylic Cement Modifier- LD-81

Cement Powder- LD-1



Inspection

- Plywood decks must be at least 5/8" CDX exterior grade (recommended) or exterior floor grade OSB . The deck should be tongue and groove and properly blocked and nailed (glued & screwed is best) and meet local building codes. Plywood shall have a maximum span of 16". Slope must be a minimum of 1/4" per linear foot.

Flashing

- Flash at wall-to-deck with 4" x 4", fascia with 2"x4" drip edge, minimum 26 gauge bonderized sheet-metal overlapped at least 4" and caulked in front and back with a Life Deck approved sealant such as Rainbuster™ 500 or equivalent. If the flashing is not bonderized it must be etched so that coating will bond . Nail all flashing every 4", staggard.



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Deck Preparation

- Be sure the surface is clean, dry and free of grease, paint, oil, dust or curing agents.
- Plywood Joints and Seams Cracks or seams should be cleaned out, dry and free of debris. Life Deck Seam Tape (self adhering) should be laid out over all cracks, seams, plywood joints and at flashing. Embed Life Deck Seam Tape to the plywood joints and seams with Rainbuster™ 500 or equivalent.

Seal Guard

One method of application is to roll out the membrane with the white side up and measure individual lengths with 2" minimum overlap. Pull the material tight from each end and remove the 2-1/2" strip of the overlap release film and adhere to the deck.

Another method is to pull 12" to 24" of the release film and position the roll where desired. Adhere the membrane firmly onto the deck. Begin pulling the release film in the opposite direction. The roll will follow as the release film is removed. Smooth the membrane as the adhesive back comes into contact with the deck.

Install Life Deck Seal Guard over flashing. Because the material is not UV stable, the material is held back from the outside edge of the flashing and covered by the coating to be installed.

Metal Lath

Place the AL lath (only hot dipped galvanized) on the plywood and cut the lath to fit the area making sure the edge of the lath does not parallel any wood seams. Lath should run across the grain of the plywood. The lath has a grain and it should be placed so that it curves down at the edge of the deck. The lath should be held back 1/2" from all edges (staple through flashing when necessary). This will allow material to be feathered with a brush. With the lath in place, staple the lath using 16 staples per square foot (minimum 1" crown x 5/8" long, non corrosive equal to Senco brand). Overlap the lath between 1" to 2". With a hammer, pound down any seams or staples that are higher than the lath.

Base Coat

Combine one bag of LD-1 cement with 1 and 1/4 gallons (5 quarts) of LD-81 acrylic and add up to one quart of water. Mix until uniform with a low rpm 1/2" drill motor. Pour the mixture onto the lath and trowel smooth at the rate of 40 square feet per batch. Use a paint brush to spread the base coat on the flashing making sure to get the mixture into the seams and corners. Using a brush, wet with water, feather all outside edges. Scrape off any high spots or ridges that may inhibit application of a smooth slurry coat.

Crickets/Sloping

Sloping should always be done in the framing. It is the responsibility of the building owner and not the deck coating applicator. If sloping is requested it should be noted on the work order. The applicator along with manufacturer should not be held responsible for the outcome of these remedial measures to help correct these pre-existing slope conditions. Crickets (reverse slope to divert water to drain) may be installed and sloping may be done using additional base coat (LD-81 and LD-Cement). Maximum thickness should be 1/2" and should be applied 1/4" at a time.





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Note

Should deck coating not be completed in one phase or to allow for other construction trades, deck should be covered to avoid being damaged and to keep clean. It may be necessary to power wash the deck to dislodge any construction debris or any other foreign matter.

Slurry Coat

Combine one bag of LD-1 cement with 1 and 1/4 gallons (5 quarts) of LD-81 acrylic and add up to one quart of water. Mix until uniform with a low rpm 1/2" drill motor. Pour the mixture onto the surface and trowel smooth at the rate of 100-150 square feet per batch. Use a paint brush to spread the base coat on the flashing making sure to get the mixture into the seams and corners. Using a brush, wet with water, feather all outside edges. Scrape off any high spots or ridges that may inhibit application of a smooth slurry coat.

Note

■ Please refer to individual product technical sheets for more detailed product information on all products within this specification.

Clean Up

Uncured material can be removed with water. Cured material can only be removed mechanically.

Maintenance

Floors should be inspected during use for inconsequential damage and wear. Damage areas should be remediated as soon as possible to prevent further damage to the area(s). To repair, remove any loose coating and material and refer to this specification; repeat process in affected area.

Deck should be cleaned daily using a dry soft bristled broom, dry mop, or wet mop with a floor/tile cleaner, to retain the deck looking new.

Health, Protection and Safety

Refer to individual product container labels, individual product technical data sheets, and SDS for health, protection, and safety precautions.

