



System Information

Life Deck AL

Metal Lath System

Description

The Life Deck AL (Acrylic Lath) is a ICBO ESER5416 Waterproof deck system. It is a metal lath reinforced system installed with a series of three separate polymer modified cementitious applications and is bonded together with a specially formulated acrylic emulsion sealed with Life Deck 10 Series 100% acrylic top coat.

Uses

The AL system works only on plywood walking decks. It is recommended for the discriminating contractor or building owner that demands the finest in design, strength and durability. The AL deck is ideal for areas with heavy traffic or in cases where elimination of plywood seams is essential. Life Deck AL has been designed for balconies, corridors, stairs, and landings. It is regularly specified for hotels, condominiums, apartments and office buildings. It can be stapled through most old deck systems to provide an excellent method for the rehabilitation of problem surfaces.

Advantages

- ICBO ESER5416
- Unmatched Strength and Durability
- Fast access After Installation
- Five Year Manufacturers Warranty
- Excellent Sound Reduction Qualities
- Tough Final Coat is U.V. Resistant
- Covers Rough Plywood and Seams
- Safe Anti-Skid Textured Finish
- Multiple Finishes Available
- Cost Effective

Packaging

Metal lath (2 1/2' x 8' each)
LD 81 Cement Modifier (1 gallon & 5 gallon pails)
LD 1 & LD 3 Cement (50 lb. Bags)
10 Series Top Coat (1 gallon & 5 gallon pails)
Seal Guard (6" x75', 12"x75', 36"x75')

Inspection

Plywood decks must be at least 5/8" CDX exterior grade. The deck should be tongue and groove, properly blocked and nailed (glued & screwed is best). Plywood shall have a

maximum span of 16". Slope must be a minimum of 1/4" per linear foot. Please refer to Notice to Customer for Deck Coatings. The decks should meet local building codes.

Surface Preparation

Be sure the surface is clean, dry and free of grease, paint, oil, dust or any foreign material that may prevent proper adhesion.

Application

Plywood Seams

Install 6" wide Seal Guard on all plywood seams to reinforce. Seal Guard may also be installed on the entire deck when maximum protection is required. Please read Seal Guard Product Information Sheet.

Flashing

Use a minimum of 28 gauge bonderized sheet-metal. Flash at the junction of the wall and deck using 4"x 4" flashing. Flash the fascia with 2"x 4" flashing. Overlap all seams at least 4". Caulk between overlapped flashing as well as the seam with a Life Deck approved sealant such as Life Deck Polyurethane Sealant or equivalent. Nail all flashing every 4". *Note* : If the flashing is not bonderized, it must be etched in order for the coating to adhere properly. Seal Guard may be installed behind or on top of the flashing as a backup waterproofing measure. Seal Guard may not be left exposed to the sun.

Metal Lath

Place the AL lath (2.5 lbs. per sq. yd. hot dipped galvanized) on the plywood and cut it to fit the area making sure the edge of the lath is offset 2" from any parallel plywood seams. The Lath should run across the grain of the plywood (across the long seams) when possible. 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. This will allow the coating material to be feathered with a brush. With the lath in place, start in the center working your way out stapling the lath using 16 staples per square foot (minimum 1" crown x 5/8" long, 16 Ga. non-corrosive Senco P10 or equal). Overlap the lath between 1" to 2" and staple every 1" to 2" along the seam. With a hammer, pound down any seams or staples that are higher than the lath.

Base Coat

Combine 1 bag of LD 1 cement into 1 1/4 gallon of LD 81 acrylic (4.5 gallon total) and add up to 1 quart of water. Mix until uniform with a jiffy mixer on a low rpm 1/2" drill motor. Pour the mixture (4.5 gallon total) onto the lath and trowel smooth at the rate of 40 square feet per batch. Use a paintbrush 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. As soon as it is dry, scrape off any high spots or ridges that may prevent 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 the manufacturer should not be held responsible for the outcome of this remedial measure to help correct the preexisting slope condition. Crickets (reverse slope to divert water to drain) may be installed and sloping may be done using an additional base coat (LD 81 Acrylic and LD 1 Cement).

Maximum thickness should be 1/2" and should be applied 1/4" at a time. Additional lath may be installed prior to base coat to simulate a cricket.

Fiberlath Option

Fiberlath is required over sloped and built up areas or where additional reinforcement is required. Place Fiberlath material over the base and roll into place, cutting to fit with 2" overlaps. Trowel the slurry coat (per next paragraph) directly into the Fiberlath. An additional slurry coat may be required when fiberlath is used to hide fabric.

Slurry Coat

Mix the slurry coat by combining 1 bag of LD 1 AL cement with 1 gallon of LD 81 AL acrylic (4.5 gallon total) and up to 1/2 gallon of water. Mix until uniform with a jiffy mixer on a low rpm 1/2" drill motor. Trowel the slurry mix (4.5 gallon total) over the surface to achieve a smooth finish. Coverage of the slurry coat is between 100-150 square feet per batch. Using a brush, wet with water, feather all outside edges, seams and expansion joints. After surface is dry, scrape or grind off any ridges or trowel marks.

Optional Patterns

After the slurry coat is dry, you may lay out a pattern using Life Deck grout tape (available in various widths). Spray texture over tape and remove within 24 hours. This will leave an impression in the surface. The pattern can be used to enhance the look and create a tile or flagstone effect. Contact Life Deck for additional information on custom finishes.

Texture Coat

Combine one bag of LD 3 AL cement with one gallon of LD 81 AL acrylic and mix thoroughly with a low rpm drill motor. Add up to 1/2 gallon of water to achieve the desired consistency. Using an acoustical hopper gun, spray the texture onto the deck with a circular motion to achieve approximately 70% coverage at a rate of about 150-200 square feet per batch. After a few moments, depending on the temperature, the texture must be "knocked down" using a 20" x 5" rounded pool trowel for best results.

To avoid making impressions, the applicator should wear golf shoes or baseball spikes. Wipe trowel clean with a wet rag as needed. Spray continuously, do not stop in the middle of the deck.

Top Coat

Mix all containers of the Life Deck 10 Series Top Coat to insure a consistent color. The material may be thinned by adding 1 pint of water per gallon to avoid streaks, especially in hot weather. Roll two thin applications of Life Deck 10 Series Top Coat using a 3/4" roller at a rate of 200-300 sq.ft. per gallon. Roll the material in two directions to achieve a uniform finish. Coverage will vary according to texture. For small areas or in locations with cool temperatures, one coat of 10 Series Top Coat at 125 sq.ft. per gallon may be applied. Additional top coats may be applied in high traffic areas, to increase gloss or where water proofing is critical.

Drying Time

For best results, allow 4 to 6 hours drying time before permitting light pedestrian traffic or additional coats are applied. Allow to cure 24 hours before heavy traffic is permitted. Allow an additional 24 hours before heavy objects are placed on the surface.

Limitations

- Install between 55°F and 95°F.
- Rain will wash away Life Deck acrylic products. If inclement weather threatens, cover deck with a tarp. Do not allow any Life Deck product to freeze.
- Store material at 40°F-110° F.

Clean Up

Uncured material can be removed with water. If cured, material can only be removed mechanically or with some solvents.

Maintenance

Most stains clean up with TSP and water. Use a bristle scrub brush and a pressure washer with 3000 psi. Rinse thoroughly. The AL deck should be resealed with Life Deck 10 Series Top Coat every 2 to 4 years depending upon ultraviolet exposure from the sun and/or traffic.