



LIFE™

Product Specifications



LD220

Urethane Base Coat

Description

LD220 is a single component, liquid applied, moisture-cured, aromatic urethane polyurea elastomeric membrane. This waterproofing basecoat is used in the Life Deck 2000 Decking System.

Use

LD220 is used as the base waterproof membrane in the Life Deck 2000 waterproofing system and can also be used as a membrane under carpet or tile. It is ideal as a base membrane for walking decks, balconies and roof decks. LD220 is used in residential, commercial and industrial applications on surfaces such as concrete, plywood, metal and masonry.

Advantages

- ✓Economical
- ✓Moisture Cured
- ✓Proven Protection
- ✓Seamless Waterproofing Membrane
- ✓Optional Fast Cure with Added Accelerator
- ✓Chemical Resistant

Coverage

Base Coat

Apply LD 220 to substrate at a rate of 50 square feet per gallon. For best results use a notched trowel or notched squeegee and back roll to even out the material. Allow LD 220 to cure, usually 24 hours (or until firm enough to walk on) before additional coats.

Broadcast Coat

Apply a second coat of LD 220 at a rate of 100 square feet per gallon. Immediately broadcast the desired aggregate, such as #2-16 Monterey sand or #20 silica sand, at a rate of 100 lbs./100 square feet into the wet coat. (Sand aggregates should be washed and kiln dried) The aggregate should completely cover the surface. After 24 hours, remove loose aggregate by broom or vacuum.

Colors Tan

Packaging 1 & 5 Gallon Pails

Mixing

Mix LD220 using a mechanical mixer (Jiffy Mixer) at slow speeds. If mixed by hand stir for at least 5 minutes. Mix thoroughly until a homogeneous mixture and color is obtained. Use care not to allow the entrapment of air into the mixture.

Plywood Joints/Concrete Seams and Cracks

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, and plywood joints and at flashing. Apply Tremflex 25 joint sealant into the tape with a trowel or putty knife. Allow joint sealant to become firm before applying base coat. Open cracks should be routed out with a diamond crack chaser.

Application

Ensure that the substrate is properly prepared prior to application. Surfaces to be coated with LD220 must be dry, clean, free of foreign matter, and primed with Life Deck 11 Series. Primer is optional over new plywood. For best results use a squeegee or notched trowel. An airless sprayer or phenolic resin core roller may be used but extra care should be taken not to trap air, which may result in bubbles. Apply LD220 as described in the Life Deck 2000 Specifications. Spread LD220 evenly over the entire deck. Application should not be stopped part way across an area. Each application should be done in one complete step. A continuous application will ensure a smooth and level coat with no lines or streaks. Allow coating to cure a minimum of 16 hours and maximum of 48 hours before proceeding to subsequent coats. Most applications require two coats. A third coat may be necessary depending on the job specifications and requirements. To obtain proper adhesion between coats it is imperative that re-coating be done within 48 hours.

Drying Time

LD220 is a moisture curing membrane and will cure faster in humid conditions and slower in drier conditions. Allow each coat to cure a minimum of 16 and a maximum of 48 hours between each coat. If more than 48 hours passes between coats, re-prime the surface with Life Deck 11 Series Epoxy before proceeding. LD50 may be added at the rate of 1 quart per 5 gallons of LD220 to accelerate drying time. Light foot traffic may be permitted in 6 hours, normal foot traffic in 24 hours and vehicle traffic in 48 hours. All times are based on average temperature of 70 degrees and 50% humidity.

For complete information associated with the application of LD220; refer to System Specifications and Section One of the Life Deck Products catalog.

This product contains: ISOCYANATES & SOLVENT

Equipment Cleanup

Immediately after use, equipment should be cleaned with an environmentally safe solvent, as permitted under local regulations, .

Limitation

- ✓ LD220 should be used only as a base membrane.
- ✓ The components of LD220 are not UV stable and are not designed to withstand direct wear/abrasion.
- ✓ Any remaining material must be tightly sealed to protect it against curing in its container. Containers that have been opened must be used within 1 or 2 days since LD220 is a moisture reactive material that begins to cure when exposed to air.
- ✓ Life Deck does not recommend that LD220 be diluted.
- ✓ Do not use on grade.

Technical Information

Shelf Life	6 months
Hardness (ASTM D-2240)	55+-5 Shore A
Tear Resistance Die C (ASTM D-624)	250 pli
Tensile Strength (ASTM D-412)	1050+-100 psi
Ultimate Elongation (ASTM D-412)	575 %
Specific Gravity	1.26
Total Solids by Weight (ASTM D-2369)	80.3%
Total Solids by Volume (ASTM D-2697)	69.1 %
Viscosity @ 24°C (75°F)	6500+-3000cps
V.O.C. (ASTM D-2369-81)	2.01 lbs/gallon