



LIFE PAINT

PRODUCT SPECIFICATIONS



WATERPROOFING

FM DECK WATERPROOFING SYSTEM

Note: FM instructional application video available.

Inspection

◆ Plywood decks must be at least 3/4" ACX grade with finish side up. The deck should be tongue and groove and properly blocked and nailed (glued & screwed is best) to meet local building codes. 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.

Deck Preparation

Be sure the surface is clean, dry and free of grease, paint, oil, dust or curing agents. Concrete should be cured a minimum of 28 days prior to installation and should be profiled to resemble 60 grit sandpaper.

Flashing

Flash wall-to-deck with 4" x 4", fascia with 2" x 4" minimum 26 gauge bonderized sheet-metal overlapped at least 4" and caulked in front and back with a Life Deck approved sealant. If the flashing is not bonderized it must be etched or roughed up so that the coating will bond. Nail all flashing every 4". Smooth uneven surfaces with FM patching compound, 1577 Texture, Life Deck Concrete Patch, or Life Deck approved Urethane Caulking.

Primer Requirements

Clean all surfaces and roughen all glossy surfaces by sanding. Remove all peeling, loose or blistered material by scraping and wire brushing. Remove all chlorinated rubber and hydrocarbon finishes by sandblasting. Clean all surfaces thoroughly with a T.S.P. Solution and then rinse thoroughly with water. The surface must be primed using Life Deck 1575 Primer at a coverage rate of 200-300 square feet per gallon. Drying time is 30 minutes, recoat 2 hours.

Plywood Joints/Concrete Seams and Cracks

- ◆ Cracks or seams should be cleaned out, dry and free of debris.
- ◆ Apply Life Deck approved Polyurethane Caulk in all plywood seams and Life Deck seam tape (self adhering).
- ◆ Life Deck Seam Tape (self adhering) should be laid out over all cracks, seams and plywood joints.
- ◆ Apply Life Deck 1577 Texture into the tape with a trowel or putty knife to cover seam tape and all imperfections in plywood sheeting. Allow to dry to tack free before laying fiberglass. Multiple applications may be necessary.

Crickets/Sloping

◆ Sloping should always be done in the framing or in the concrete subsurface. This 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 a Life Deck Concrete Patch. Concrete Patch is LD-81 mixed with LD-3 or LD-1 cement (see Life Deck Concrete Patch Spec for details). Galvanized metal lath should be stapled to the plywood to strengthen and help bond.

◆ When building up over concrete it must be rough enough to bond (see deck preparation).

Optional Slurry Coat/Concrete Decks

◆ If the surface is uneven or if there are imperfections that require additional smoothing or feathering, you may apply a slurry coat.

◆ The slurry coat is made of 1 bag of LD-1 and 1 gallon of LD-81 along with approximately 1 qt of water. Slowly blend the bag into the liquid using a slow rpm drill and a jiffy mixer. Using a trowel, smooth over all uneven surfaces completely.

◆ For best results, slurry coat the entire deck area, stopping only at seams. Using a wet paint brush to smooth all edges. When the slurry is dry, scrape or sand to smooth any rough spots. This process is demonstrated in the Texture Concrete Overlay and Life Deck AL dvd.

Fiberglass/Base Coat Resin (1588)

◆ Fray all outside edges of the fiberglass to insure penetration of the base coat resin.

◆ Position fiberglass over the entire area to be covered butting the seams together.

◆ Pour the FM base coat resin on top of the fiberglass, **completely saturating** it using pressure from a 3/4" nap roller. Coverage is at 45 square feet per gallon.

◆ After saturating fiberglass, immediately roll entire area with an aluminum fiberglass roller to eliminate air bubbles and wrinkles.

◆ After surface is dry, cut out any bubbles and apply Life Deck 1577 to smooth out any imperfections. Sand or scrape patches to smooth.

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Texture Coat (1577) Roll or Trowel

- ◆Texture may be rolled with a carpet texture roller 80-90 sq ft per gallon.
- ◆Texture can be troweled smooth, to achieve the desired finish.
- ◆Make sure to "cut in" all edges with a paint brush ahead of rolling or troweling.
- ◆An excellent texture can be achieved using a loop roller by applying the texture at 60 sq ft per gallon. Roll first in one direction, then immediately roll again in the opposite direction. This technique will completely hide the fiberglass.
- ◆Caution: when applying at rate of 80 sq ft per gallon, temperature must be at least 70 degrees and humidity lower than 30% for 6 hours.

Texture Coat (1577) Spray

- ◆Protect all surrounding areas with masking paper.
- ◆Mix Life Deck 1577 Texture with a small amount of water and up to 20% #20 Silica Sand to desired consistency.
- ◆Using an acoustical hopper gun, spray texture at a rate of 80-90 square feet per gallon, depending on desired texture.
- ◆Optional Step: After a few moments, depending on the temperature, the texture can be "knocked down" using a 20" x 5" pool trowel for best results.

Top Coat (10 Series) or (28 Series Cool Life)

- ◆Mix all containers of the Life Deck Top Coat to insure a consistent color.
- ◆Product 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 Top Coat using a 1/2"-3/4" roller at a rate of 200-300 square feet per gallon. Spread the Life Deck Top Coat in two directions to achieve a uniform finish. Coverage will vary according to texture. Do not apply two coats in same day.
- ◆Allow 8 to 12 hours drying time before permitting light pedestrian traffic. For best results, allow to cure 24 hours before direct traffic is permitted. Allow an additional 24 hours before heavy objects are placed on the surface.

Stair Nosing Application

- ◆Life Deck FM System may be installed on stairs where needed.
- ◆Use a nosing and hardware that will not rust or corrode.
- ◆Attach with a construction adhesive.
- ◆Seal completely under the nosing and make sure to allow for drainage at ends of nosing.

Temperature/Weather/Limitations

- ◆The FM System is not designed for automobile traffic.
- ◆Do not install any Life Deck product if the temperature is below 55 degrees.
- ◆Rain will wash away uncured Life Deck resin products. If inclement weather threatens, cover deck to protect new application.

- ◆Do not allow any Life Deck product to FREEZE.
 1. Best to apply on warm, clear, sunny days.
 2. Do not apply under foggy conditions or late in the day.

Maintenance

- ◆Most stains clean up with TSP and water. Use only a bristle scrub brush and a pressure washer with 3000 psi. Rinse thoroughly.
- ◆When high pressure washing, keep the nozzle tip 6" off the deck surface and keep moving. Prolonged exposure to a high pressure stream could damaged the FM System.
- ◆The FM deck should be resealed with Life Deck 10 Series Top Coat every 2 to 4 years depending upon ultraviolet exposure from the sun and traffic.

Warranty

- ◆Life Deck FM has a five year limited warranty which is valid only if the complete FM System is installed (by a factory trained) and licensed contractor and maintenance specifications are followed. In accordance with product system specifications.
- ◆Life Deck, will replace any defective FM product proven to be the cause of deck failure. The Life Deck FM warranty shall not exceed the replacement cost of the defective material and does not include labor.
- ◆All claims regarding product defects must be presented to Life Deck within 90 days of the alleged defect. The absence of a written claim during this period will constitute a waiver of all claims against the manufacturer.
- ◆Warranty is void if subsurface or adjoining areas are not built to meet local building codes.

CAUTION:

- Listed below are important warranty considerations.
1. Do not bolt railings through the deck.
 2. Inadequate slope in the sub surface is not acceptable.
 3. Use only Thunderbird deck drains.
 4. Stucco or wood siding must be held 1-1/2" off the deck.
 5. Thresholds must have flashing installed properly and must be 1" off the deck to allow for material to cover up.
 6. Parapet walls and scuppers must be properly built so water does not enter and simulate a deck leak.