



System Information

Life Deck FM

Fiberglass System

Description

Life Deck FM (Fiberglass Mat) is a series of three distinct applications of highly flexible acrylic resins, integrated into a chopped fiberglass mat. It is designed to be an anti-skid, waterproof walking surface for installation over plywood, concrete, magnasite, metal and most existing deck surfaces.

Uses

The FM system is an ideal, low cost, easy to apply, fast drying deck coating designed for use on balconies, corridors, stairs, landings, courtyards, and pool decks. It withstands light foot traffic within hours of application and is regularly specified for homes, hotels, office buildings, condominiums and apartments.

Advantages

- Economical
- Low maintenance
- Durable yet flexible
- Attractive
- Skid-Resistance
- Fast drying
- Waterproof
- Unlimited colors
- Safe-No solvents

Packaging

1575 primer- 1 gallon & 5 gallon pails
Fiberglass- 50, 100, 500, 2000 sq.ft. rolls
1588/1589 base coat- 1 gallon & 5 gallon pails
1577 texture coat- 1 gallon & 5 gallon pails
10 Series Top Coat- 1 gallon & 5 gallon pails
7200 epoxy gel-1/2gal & 2 gallon kits

Inspection

Plywood decks must be at least 3/4" ACX grade plywood. The finish side should be placed 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.

Surface Preparation

Be sure the surface is clean, dry and free of grease, paint, oil, dust, curing agents or any foreign material that may prevent proper adhesion. Existing coatings must be securely fastened, lightly abraded and power washed with 3000 psi. Concrete should be cured a minimum of 28 days prior to installation and should have a rough profile.

Application

Seams and Cracks

Cracks should be routed out 1/4"x 1/4", seams should be cleaned out, both should be dry and free of debris. Life Deck Seam Tape (self adhering) should be laid out over all cracks, seams, and metal flashing. Apply Life Deck 7200 Semi Rigid epoxy gel into the tape with a trowel or putty knife to smooth and broadcast with #30 silica sand to increase adhesion of the coating. Life Deck Polyurethane sealant may be used in place of 7200 if more flexibility is required. Allow 2-4 hours drying time before the next coat.

Crickets/Sloping

Sloping should always be done in the framing or in the concrete subsurface. 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 and 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 a Life Deck Concrete Patch. Concrete Patch is LD 81 mixed with LD 3 or LD 1 cement (see Life Deck Concrete Patch Specification for details). Galvanized metal should be stapled to the plywood to strengthen and help bond the material to the surface. When building up over concrete, a rough profile is needed to assure bond of the material (see deck preparation). Maximum thickness should be 1/2" and applied a 1/4" at a time.

Flashing

Flash at the junction of the wall and deck using 4"x 4" flashing. Flash the fascia with 2"x 4" flashing. Use a minimum of 26 gauge bonderized sheet-metal. Overlap all seams at least 4". Caulk between overlapped flashing as well as the seams with a Life Deck approved sealant such as Life Deck Polyurethane sealant or equivalent. Nail all flashing every 4". Smooth uneven surfaces with FM patching compound, 1577 Texture, Life Deck Polyurethane sealant or Life Deck Concrete Patch. *Note* : If the flashing is not bonderized it must be etched or roughed up so that the coating will bond.

Primer Requirements

The surface must be primed using Life Deck 1575 primer at a coverage rate of 200-300 square feet per gallon.

Optional Slurry Coat

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 2 qts. 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, smooth all edges. When the slurry is dry, scrape or sand any rough spots. This process is demonstrated in the Texture Crete and Life Deck AL videos.

Fiberglass / Base Coat Resin

Position the fiberglass over the entire area to be covered butting the seams together. Stop the fiberglass at all expansion joints to allow for movement. Fray all outside edges of the fiberglass to insure penetration of the base coat resin. Pour the FM base coat resin on top of the fiberglass, completely saturating it using pressure from a 1/2" nap roller. Coverage is at 40 square feet per gallon. Roll entire area to help eliminate air bubbles and wrinkles. A special aluminum fiberglass cutting roller may be used to help eliminate bubbles. You may also cut bubbles with a razor knife as you go. After surface is dry, cut out any bubbles and apply FM patching compound or Life Deck 1577 to smooth out any imperfections. Sand or scrape patches smooth.

Texture Coat (Spray)

Protect all surrounding areas with masking paper. You may mix Life Deck 1577 Texture with a small amount of water and up to 20% of #20 silica sand to achieve the 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 pool trowel (rounded edges).

Texture Coat (Trowel, Broom or Roll)

Texture may also be rolled with a carpet or foam texture roller at 80-90 sq.ft. per gallon. Texture can be troweled smooth, broomed or brushed to achieve the desired finish. Make sure to "cut in" all edges with a paintbrush ahead of the roller, broom or trowel. 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 or greater, temperature must be at least 70°F and humidity lower than 30% for 6 hours.

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 square feet 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. Allow 4 to 6 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. Additional top coats may be applied in high traffic areas, to increase gloss or where waterproofing is critical.

Stair Nosing

Stair nosing may be installed on stairs where needed to protect coating. Use a nosing and hardware that will not rust or corrode. Attach the nosing with a construction adhesive or if necessary nail or screw into place. When nailing or screwing, pre-drill holes and fill with Life Deck Polyurethane sealant before screwing or nailing. Seal completely under the nosing and make sure to allow for drainage at ends of the nosing

- Rain will wash away Life Deck resin products. If inclement weather threatens, cover deck to protect new application.
- Do not allow any Life Deck product to FREEZE.

Clean Up

Uncured material will clean up with water or solvents. Cured material may have to be sanded or ground off. Always protect for over spray.

Maintenance

Most stains clean up with TSP and water. Use only a bristle scrub brush and a pressure washer with 3000 psi. Rinse thoroughly. 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.

Repair

Repairs may be done by grinding off the damaged area and replacing the material as written in this spec.

Warranty

Life Deck FM has a 5 year limited warranty. It is valid only if the complete FM system is installed by a factory trained and licensed contractor and maintenance specifications are followed. 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.

Limitations

- The FM system is not designed for automobile traffic.
- Do not install any Life Deck product if the temperature is below 55°F.