



LIFE™

Product Specifications



FM Fiberglass Mat System

Description

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, magnesite, metal and most existing deck surfaces.

Use

FM system is an ideal, low cost, easy to apply and 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
- ✓ Beautiful
- ✓ Skid-Resistant
- ✓ Fast drying
- ✓ Waterproof
- ✓ Unlimited colors
- ✓ Safe- no solvents.

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 roughed up.

Flashing

Flash wall-to-deck with 4" x 4", fascia with 2"x4" minimum 26 gauge bonderized sheet-metal overlapped at least 4" and caulked in front and back with a Life Deck approved sealant such as Tremflex 25 or equivalent. 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, Tremflex 25 or Life Deck Concrete Patch.

Primer Requirements

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

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.

Apply either Tremflex 25 joint sealant (strongest and will not shrink) or Life Deck FM Patching Compound or Life Deck 1577 Texture into the tape with a trowel or putty knife to smooth. Allow to dry to tack free before laying fiberglass.

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

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, 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-Crete and Life-Deck AL videos.

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Fiberglass/Base Coat Resin (1588 or 1589 Quick Dry)

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

Stop the fiberglass at all expansion joints to allow for the proper joint sealant if movement is expected.

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 45 square feet per gallon.

Roll entire area with an aluminum fiberglass roller to eliminate air bubbles and wrinkles.

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 to smooth.

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.

Texture Coat (1577) Trowel, Broom or Roll

Texture may also be rolled with a carpet 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 paint brush ahead of 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 the 1577 Texture Coat the temperature must be at least 70 degrees and humidity lower than 30% for 6 hours.

Top Coat (10 Series or 28 Series)

Mix all containers of the Life Deck 10 Series or 28 Series 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 one thin application of Life Deck Top Coat using a 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.

Two thin coats are recommended.

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.

Stair Nosing

May be installed on stairs where needed to protect coating.

Use a nosing and hardware that will not rust or corrode. Attach with a construction adhesive or, if necessary, nail or screw into place.

When nailing or screwing, pre-drill holes and fill with Tremflex 25 before screwing or nailing.

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.

Repairs

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

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.

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.

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.

This product contains chemicals known to the State of California to cause cancer, birth defects and reproductive harm. The maximum V. O. C. of this product does not exceed 100 grams/liter. WARNING! If you scrape, sand or remove old paint, you may release lead dust. LEAD IS TOXIC. Contact the National Lead Information Hotline at 1-800-424-LEAD or log on to www.epa.gov/lead.



FM (Fiberglass Mat) Waterproof Decking System



The "Life Deck™ FM" (Fiberglass Mat) Waterproof Decking System is a series of distinct applications of highly flexible acrylic resins. The base coat is integrated into a chopped fiberglass mat. Life Deck FM is designed to be a skid resistant waterproof walking surface for installation over plywood, concrete, magnesite, metal, and most existing deck surfaces.

Benefits of Life Deck FM System:

- ◆Economical ◆Low Maintenance ◆Fast Drying
- ◆Durable yet flexible ◆Waterproof ◆Skid Resistant

4 EASY STEPS TO SEAL, PRESERVE, AND WATERPROOF YOUR DECK OR SURFACE

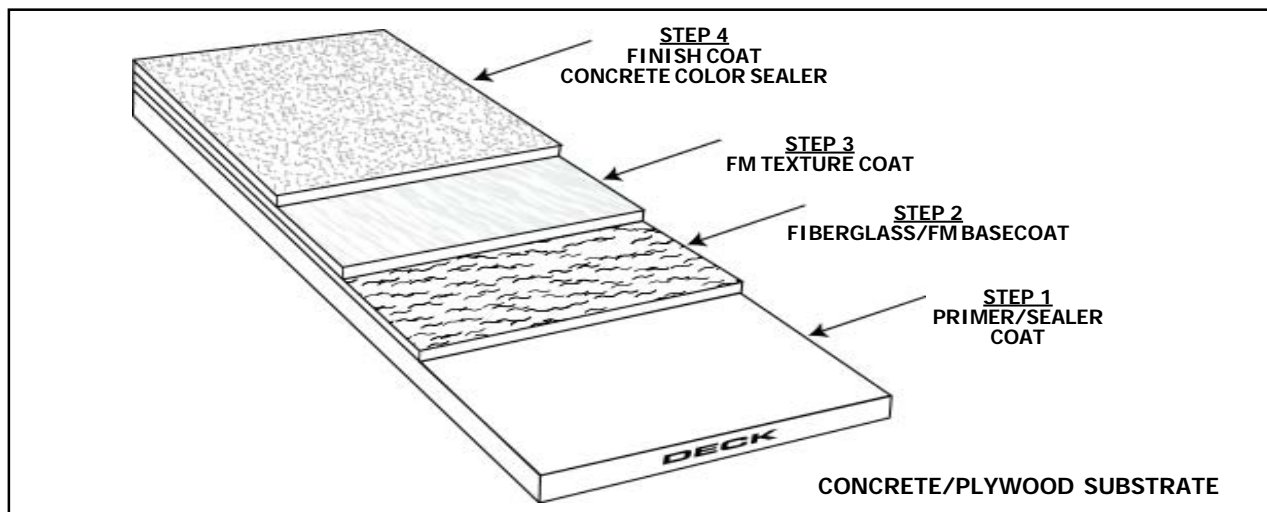
1
Clean
and
Prime

2
Fiberglass
FM Base
Coat

3
FM
Texture
Coat

4
FM
Top Coat

For Plywood Decks & Concrete Roof Decks



PROCEDURE

Please read the complete installation guide before ordering material or beginning job.



STEP 1 #1575 ACRYLIC PRIMER
(250 sq. ft. per gal.)

STEP 2 FIBERGLASS/BASE COAT
FM 50 50" Wide X 12' Long (50 sq. ft.)
FM 100 50" Wide X 25' Long (100 sq. ft.)
FM 500 50" Wide X 125' Long (500 sq. ft.)



#1588 HIGH BUILD BASE COAT
(45 sq. ft. per gal.)
Or
#1589 FAST DRY BASE COAT
(45 sq. ft. per gal.)

STEP 3 #1577 TEXTURE COAT
(90 sq. ft. per gal.)

STEP 4 FINISH TOP COAT
CONCRETE COLOR SEAL!
Resistant to Ponding W
10 Series 100% Acrylic
28 Series 100% Acrylic Heat Reflective
(250 sq. ft. per gal.)
2 Coats recommended



LIFE PAINT CO. SANTA FE SPRINGS, CA 90670 (562) 944-6391 (800) 400-0516 IN CA www.lifepaint.com

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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 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 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-Crete and Life-Deck AI videos.

Fiberglass/Base Coat Resin (1588 or 1589 Quick Dry)

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

◆ 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 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) 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.

Texture Coat (1577) Troweled, Sprayed, or Rolled

- ◆ Texture may be rolled with a carpet texture roller at 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 can be sprayed with a hopper gun.

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 to 2 pints of water per gallon to avoid streaks, especially in hot weather.
- ◆ Roll one thin application of Life Deck Top Coat using a 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.
- ◆ 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 damage 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.