

# UCF-30™

## POLYMER COATING FOR CONCRETE

### APPLICATION INSTRUCTIONS

Thank you for your recent purchase of UCF-30™. We at Gulf Synthetics, hope that your experience with this product is a successful one. It is our goal to deliver the most advanced and state-of-the-art polymer coatings. We suggest that you take a moment to read these helpful instructions to ensure a beautiful application that will last for years to come. Thank you again for your confidence in our products. Should you have additional questions, please visit our website at [www.gulfsynthetics.com](http://www.gulfsynthetics.com). You may email any questions to tech support at [wgaylord@gulfsynthetics.com](mailto:wgaylord@gulfsynthetics.com).

**COVERAGE:** Each kit of UCF-30™ is packaged in a five-gallon container for easy mixing. The kit contains two parts: (1) liquid resin and (2) dry chemistry. **YOU ADD** two quarts of exterior latex paint (any color of semi-gloss or high-gloss). With two coats applied, the coverage will be approximately 200 square feet per kit depending on surface porosity and texture.

**IMPORTANT NOTE:** This product is designed to produce results using the exact proportions provided in the kit and in compliance with the instructions written below. Variance from these proportions, either more or less, of the three ingredients mentioned above will not be warranted by the manufacturer.

**SURFACE PREPARATION:** For best results, we recommend the surface to be **CLEAN, DRY, DULL, PH NEUTRAL, and of MODERATE TEMPERATURE.**

**CLEAN:** Surfaces must be thoroughly clean, free of dirt, sealer or waxes, peeling paint, mildew, tar, glaze, efflorescence, laitance, grease or oily substances. Loose mortar or cement must be removed. Clean the surface by power washing, and allow substrate to **dry completely** for a minimum of 48 hours.

**DRY:** The surface needs to be **thoroughly dry**. Never apply over wet concrete. For exterior projects, do not apply if precipitation is predicted in the next 24 hours. Test concrete for possible moisture problems by taping an 18" X 18" plastic film to the concrete and observing it for 24 hours. If condensation is observed, moisture is present and the source must be identified and contained before proceeding.

**DULL:** Glossy, painted, or sealed surfaces must be dulled by grinding or acid etching. If a clear concrete sealer is on the surface that is to be coated, the surface should be acid etched using a 10 percent muriatic acid solution or grinded to produce a profile for the UCF-30™ coating to bond to. Then the surface is to be cleaned thoroughly by power washing. **Note:** Wear work goggles, rubber gloves and boots and protective clothing when using muriatic acid. A less toxic option is GBS Microetch.

**PH NEUTRAL:** New concrete has a very high PH. Allow new concrete to cure 30-60 days at 75°F before coating. Concrete should have a PH of 7-9 before applying this product. Test with litmus paper.

**MODERATE TEMPERATURE:** For best results apply between 50-85°F. Do not apply if ambient temperature or the surface temperature is <50° or >85°F. If temperature is less than 50°F this product will cure too slowly or maybe not at all. If temperatures exceed 85°F, this coating will set too quickly. Additionally, do not apply coating if temperature is predicted to drop below 50°F within the next 24 hours.

**PREPPING HOLES AND CRACKS:** UCF-30™ is quite thick and will easily fill most small cracks. If existing cracks are excessive (over 3/8" deep and wide), use an acrylic concrete caulk or commonly available concrete patching material to infill these areas before coating with UCF-30™. Do not smear caulk/patching material on adjacent concrete surface. Caulk or patching material must be properly dried or cured before applying UCF-30™. See manufacturer's instructions for the proper application of these materials.

#### **APPLICATION PROCEDURE FOR ONE KIT:**

1. **Remove both wet and dry chemistry** from container.
2. **Empty liquid resin** into container.
3. **Add two quarts of exterior latex paint** (any color) to liquid resin. **Mix briskly for one minute.**
4. **Slowly add dry chemistry** while **stirring briskly with drill mixer for five minutes.** Stir mixture to loosen up any dry portion from the bottom of container. Dry chemistry components should break down completely and mix should be smooth and viscous. Let the coating sit for 5 minutes and stir one more time. The coating is now activated and should be used within 24 hours.
5. **Do not alter the chemistry of the product in any way by adding or subtracting material or by adding other ingredients (DO NOT ADD WATER).**
6. If you are working on a large area with more than one kit, mix each kit separately and then blend or 'box' together for color consistency.
7. Use typical 'cut-in' techniques around adjacent structures, etc. During application stir product every hour. Cut-in with two coats. Allow to dry completely between coats. Between coats, reseal lid and keep out of direct heat.
8. **Allow UCF-30™ to dry** to the touch, usually about 1 hour under recommended temperature and humidity. However, if it is very cool or very humid it could take longer and conversely; if it is warmer and dryer, it could take less time to dry.
9. **For best coverage, use a 3/8" nap paint roller and apply the first coat** in a north-south direction. Allow to dry completely before applying the second coat.
10. **Apply second coat** in an east-west direction. The second coat is key to attaining the proper texture. Use a 3/4" nap (or larger) roller for second coat. Nap size determines texture and affects sq ft coverage of product. If a more aggressive non-slip texture is desired use a 1" nap roller for second coat. **Be consistent in your technique.** Allow to dry completely.
11. Additional coats may be applied to build the final mil thickness, if desired. Mixed coating must be used within 24 hours.
12. After UCF-30™ is applied and thoroughly dried (approx. 24 hours), it is recommended, but not required, to apply two coats of a non-yellowing acrylic topcoat made for decorative concrete. The topcoat will add a layer of protection and make clean up easier in areas where food, dirt and grease collect easily. Follow sealer manufacturer's recommendations for best results.

**CLEAN UP:** Clean tools with water. Never dispose of excess coating while still in liquid state. Pour excess coating on some old cardboard, let dry, and then dispose of in an approved landfill. Buckets should be cleaned and re-used or recycled.

**SUGGESTED MAINTENANCE:** In areas with high traffic, it is suggested that the topical sealer be watched, and based upon the eventual wear of the topical sealer, a new coat be applied as needed. Follow sealer manufacturer's directions for best use.

In exterior applications where no sealer is desired, it is recommended to keep surface clean of leaves, dirt and other debris. Wet leaves and other debris can cause staining.

**CLEANING:** With a mild detergent soap and water solution, using a soft bristle brush or rag mop, clean the surface gently and rinse thoroughly (DO NOT use a detergent with a de-greaser).

# UCF-30™

## POLYMER COATING FOR CONCRETE

### ¼ KIT APPLICATION INSTRUCTIONS

Thank you for your recent purchase of UCF-30™. We at Gulf Synthetics, hope that your experience with this product is a successful one. It is our goal to deliver the most advanced and state-of-the-art polymer coatings. We suggest that you take a moment to read these helpful instructions to ensure a beautiful application that will last for years to come. Thank you again for your confidence in our products. Should you have additional questions, please visit our website at [www.gulfsynthetics.com](http://www.gulfsynthetics.com). You may email any questions to tech support at [wgaylord@gulfsynthetics.com](mailto:wgaylord@gulfsynthetics.com).

**COVERAGE:** Each ¼ kit of UCF-30™ is packaged in a one-gallon container for easy mixing. The kit contains two parts: (1) liquid resin and (2) dry chemistry. YOU ADD one pint of exterior latex paint (any color of semi-gloss or high-gloss). With two coats applied, the coverage will be approximately 50 square feet per kit depending on surface porosity and texture.

**IMPORTANT NOTE:** This product is designed to produce results using the exact proportions provided in the kit and in compliance with the instructions written below. Variance from these proportions, either more or less, of the three ingredients mentioned above will not be warranted by the manufacturer.

**SURFACE PREPARATION:** For best results, we recommend the surface to be **CLEAN, DRY, DULL, PH NEUTRAL, and of MODERATE TEMPERATURE.**

**CLEAN:** Surfaces must be thoroughly clean, free of dirt, sealer or waxes, peeling paint, mildew, tar, glaze, efflorescence, laitance, grease or oily substances. Loose mortar or cement must be removed. Clean the surface by power washing, and allow substrate to **dry completely** for a minimum of 48 hours.

**DRY:** The surface needs to be **thoroughly dry**. Never apply over wet concrete. For exterior projects, do not apply if precipitation is predicted in the next 24 hours. Test concrete for possible moisture problems by taping an 18" X 18" plastic film to the concrete and observing it for 24 hours. If condensation is observed, moisture is present and the source must be identified and contained before proceeding.

**DULL:** Glossy, painted, or sealed surfaces must be dulled by grinding or acid etching. If a clear concrete sealer is on the surface that is to be coated, the surface should be acid etched using a 10 percent muriatic acid solution or grinded to produce a profile for the UCF-30™ coating to bond to. Then the surface is to be cleaned thoroughly by power washing. **Note:** Wear work goggles, rubber gloves and boots and protective clothing when using muriatic acid. A less toxic option is GBS Microetch.

**PH NEUTRAL:** New concrete has a very high PH. Allow new concrete to cure 30-60 days at 75°F before coating. Concrete should have a PH of 7-9 before applying this product. Test with litmus paper.

**MODERATE TEMPERATURE:** For best results apply between 50-85°F. Do not apply if ambient temperature or the surface temperature is <50° or >85°F. If temperature is less than 50°F this product will cure too slowly or maybe not at all. If temperatures exceed 85°F, this coating will set too quickly. Additionally, do not apply coating if temperature is predicted to drop below 50°F within the next 24 hours.

**PREPPING HOLES AND CRACKS:** UCF-30™ is quite thick and will easily fill most small cracks. If existing cracks are excessive (over 3/8" deep and wide), use an acrylic concrete caulk or commonly available concrete patching material to infill these areas before coating with UCF-30™. Do not smear caulk/patching material on adjacent concrete surface. Caulk or patching material must be properly dried or cured before applying UCF-30™. See manufacturer's instructions for the proper application of these materials.

#### **APPLICATION PROCEDURE FOR ONE ¼ KIT:**

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2. **Empty liquid resin** into container.
3. **Add one pint of exterior latex paint** (any color) to liquid resin. **Mix briskly for one minute.**
4. **Slowly add dry chemistry while stirring briskly with drill mixer for five minutes.** Stir mixture to loosen up any dry portion from the bottom of container. Dry chemistry components should break down completely and mix should be smooth and viscous. Let the coating sit for 5 minutes and stir one more time. The coating is now activated and should be used within 24 hours.
5. **Do not alter the chemistry of the product in any way by adding or subtracting material or by adding other ingredients (DO NOT ADD WATER).**
6. If you are working on a large area with more than one kit, mix each kit separately and then blend or 'box' together for color consistency.
7. Use typical 'cut-in' techniques around adjacent structures, etc. During application stir product every hour. Cut-in with two coats. Allow to dry completely between coats. Between coats, reseal lid and keep out of direct heat.
8. **Allow UCF-30™ to dry** to the touch, usually about 1 hour under recommended temperature and humidity. However, if it is very cool or very humid it could take longer and conversely; if it is warmer and dryer, it could take less time to dry.
9. **For best coverage, use a 3/8" nap paint roller and apply the first coat** in a north-south direction. Allow to dry completely before applying the second coat.
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11. Additional coats may be applied to build the final mil thickness, if desired. Mixed coating must be used within 24 hours.
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