



UDF-21™

THE ULTIMATE POLYMER COATING FOR WOOD

APPLICATION INSTRUCTIONS

Thank you for your recent purchase of UDF-21™. 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. You may email any questions to tech support at wgaylord@gulfsynthetics.com.

COVERAGE: Each kit of UDF-21™ is packaged in a five-gallon container for easy mixing. The kit contains two parts: (1) liquid resin and (2) dry chemistry. YOU ADD one gallon 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, and of MODERATE TEMPERATURE.**

CLEAN: Surfaces must be thoroughly clean, free of dirt, sealer or waxes, peeling paint, mildew, tar, mill glaze, efflorescence, grease or oily substances. 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**. Test wood using a common moisture meter. No more than a 20% moisture content is recommended. For exterior projects, do not apply if precipitation is predicted in the next 24 hours.

DULL: Glossy, painted, or sealed surfaces must be dulled by sanding, to produce a profile for the UDF-21™ coating to bond to. After sanding, clean surface of any loose debris.

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 CRACKS AND NAIL/SCREW HEADS: UDF-21™ is quite thick and will easily fill most small cracks. If existing cracks are excessive (over 3/8" deep and wide) use an acrylic latex caulk to infill before coating with UDF-21™. For best results, countersink rusting nail or screw heads and apply acrylic latex caulk to infill. Do not smear caulking on adjacent wood surface. Allow caulk to dry before applying UDF-21™. 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 one gallon of exterior latex paint** (any color) to 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. Apply an initial coat between deck boards to cover edges and use typical 'cut-in' techniques around adjacent structures, etc. Cut-in with two coats. Allow to dry between coats.
8. **Allow UDF-21™ 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 3/4" nap paint roller and roll out the first coat** perpendicular to (against) the grain. This allows the coating to work into the cracks and splinters, filling them up and locking them down. Allow to dry completely before applying the second coat (approx. 30 minutes to one hour). Between coats reseal lid and keep out of direct heat. Stir product every hour during application.
10. **Apply second coat** in the opposite direction or parallel with the grain of the wood. The second coat is key to attaining the proper texture. Use a 3/4" nap roller (or larger) for second coat. Nap size determines texture and affects sq ft coverage of product.
Be consistent in your technique. Allow to dry.
11. Additional coats may be applied to build the final mil thickness, if desired. Mixed coating must be used within 24 hours.

CURE TIME: Light traffic use of the deck is within 6 to 8 hours of completed application. Full cure time is 24 hours.

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: UDF-21™ is washable. Leaves can cause staining. With a mild detergent soap and water solution and using a soft bristle brush, clean surface gently and rinse often and thoroughly (DO NOT use a detergent with a de-greaser).

Within the first several years of use, there may appear very small hairline cracks in the coating surface. These occur because some moisture is still escaping from the wood interior. If a maintenance coat of UDF-21™ is applied within the first five years of the original application, you should get up to 10 years of service life from the date of the original application.

(Revised 1/31/11)

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¼ KIT APPLICATION INSTRUCTIONS

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COVERAGE: Each ¼ kit of UDF-21™ 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 quart 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, and of MODERATE TEMPERATURE.**

CLEAN: Surfaces must be thoroughly clean, free of dirt, sealer or waxes, peeling paint, mildew, tar, mill glaze, efflorescence, grease or oily substances. 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**. Test wood using a common moisture meter. No more than a 20% moisture content is recommended. For exterior projects, do not apply if precipitation is predicted in the next 24 hours.

DULL: Glossy, painted, or sealed surfaces must be dulled by sanding, to produce a profile for the UDF-21™ coating to bond to. After sanding, clean surface of any loose debris.

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 CRACKS AND NAIL/SCREW HEADS: UDF-21™ is quite thick and will easily fill most small cracks. If existing cracks are excessive (over 3/8" deep and wide) use an acrylic latex caulk to infill before coating with UDF-21™. For best results, countersink rusting nail or screw heads and apply acrylic latex caulk to infill. Do not smear caulking on adjacent wood surface. Allow caulk to dry before applying UDF-21™. See manufacturer's instructions for the proper application of these materials.

APPLICATION PROCEDURE FOR ONE ¼ KIT:

1. **Remove both wet and dry chemistry** from container.
2. **Empty liquid resin** into container.
3. **Add one quart of exterior latex paint** (any color) to 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. Apply an initial coat between deck boards to cover edges and use typical ‘cut-in’ techniques around adjacent structures, etc. Cut-in with two coats. Allow to dry between coats.
8. **Allow UDF-21™ 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 ¾” nap paint roller and roll out the first coat** perpendicular to (against) the grain. This allows the coating to work into the cracks and splinters, filling them up and locking them down. Allow to dry completely before applying the second coat (approx. 30 minutes to one hour). Between coats reseal lid and keep out of direct heat. Stir product every hour during application.
10. **Apply second coat** in the opposite direction or parallel with the grain of the wood. The second coat is key to attaining the proper texture. Use a ¾” nap roller (or larger) for second coat. Nap size determines texture and affects sq ft coverage of product.
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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.

CURE TIME: Light traffic use of the deck is within 6 to 8 hours of completed application. Full cure time is 24 hours.

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.

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