

Super frog Sunscreen Clear 7000  
**“Frog Juice “ Water base**  
Technical Data and User Sheet

Frog Juice Water base is sold in Quarts and Gallons

**DESCRIPTION:** **Frog Juice Water base (FJW)** is an extremely durable, water-based, clear urethane copolymer Coating which contains both ultraviolet absorbers and hindered amine light stabilizers for maximum UV light protection. It is formulated for use as a protective topcoat over computer generated pictorial art work that has been applied to flexible vinyl. **FJW** is a durable liquid laminate designed for use over inkjet printed, digital airbrush and electrostatic transfer images. It will seal and waterproof and also provide abrasion, weather and ultraviolet resistance. It can also be used to protect traditional sign and graphic art work and paints that have been applied to flexible vinyl and other substances.

**ADVANTAGES:**

Prevents color degradation by reducing the effects of ultraviolet rays and weather. Exhibits excellent adhesion to vinyl, wood metal, plastic and many other substances. Cures to a “ water white, “ non – Flammable, non- toxic when cured, low odor.

**RECOMMENDED**

**USES:** It is formulated for use as a protective topcoat over computer generated pictorial and electrostatic transfer artwork. Can be used directly on pictures, wall murals, portraits, and vinyl graphics without altering the colors. As a protective topcoat for painted vinyl signs, banners awnings and bulletins when resistance to the effects of sunlight and weather is a requirement.

**PRECAUTIONS: Important!** Before using any clear topcoats, perform a patch test; 1) to test adhesion 2) to determine if the clear causes any cracking or lifting of the surface coating an 3) to determine that the clear gives the desired finish (it is especially important to test for clarity over dark colors). Do not apply over oil glazes or uncured oil based paints.

**SURFACE**

**PREPARATION:** All surfaces must be clean and free from loose or peeling paint, grease, oil, dirt, rust, mill scale and other contaminates. If this procedure is not observed, the drying and adhesion of any coating will be adversely affected.

Note: Because of the many types of vinyl on the market it is recommended that this product be tested on each type before using. To test apply FJW, let dry 8 hours. Apply a piece of tape to the coated area and remove tape. If coating does not lift when tape is removed, then it is suitable to use for that type of vinyl.

**THINNING:** Do not thin under normal conditions. Use at full strength for maximum efficiency.

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**APPLICATION:** Follow surface preparation instructions. **Important! Mix gently before using. Do Not generate bubbles.** If small bubbles persist a 5% reduction with water will minimize that condition. Stir thoroughly. Apply by brush, roller or spray. **Caution! Do not apply in heavy coats. Do not allow wet film to puddle.** Puddling and excessive film build will make the film slightly turbid. Multiple coats should be applied in thin coats each application. Allow each coat to dry thoroughly before applying another coat.

Brush: Any good quality synthetic bristle brush.

Roller: A short nap industrial roller will give the best results.

Spray: For information on spraying, refer to equipment manufacturer’s instructions.

**CLEAN UP:** For spills, brushes and rollers- use warm water and detergent. For spray equipment – flush out spray gun with acetone or MEK, then flush with large volume of warm water.

**DRY TIME:** At 70° F; 50% Relative Humidity: Dries to touch–30 minutes; To handle–1 hour; To recoat–1 hour; Full cure – 4 hours. May take longer to dry under humid conditions. Slow to dry in very high humidity. Full curing may be affected and require the use of a cross linking additive (see below)

**FJW Dry and Cure Schedule For Use On Vinyl - @ 50% Relative Humidity**

	50° F	65° F	75° F	80° F
Touch	2 hrs.	1hr.	30 min	15 min
Recoat	2 1/4 hrs.	1hr.	40 min	20 min
Hard Cure	8 hrs.	4 hrs.	3 hrs.	2 hrs.

**Cure Schedule on Vinyl At High Relative Humidity** – Above 80% R.H.

Using Ron X-01 Cross linker ( 2 ½ fluid ounce per 1 gal. FJW). Before using Ron X-01 Cross linker read Material Data Safety sheet.

Lab Test - @ 85% Relative Humidity & 70° F at 1 mil. Dry film thickness.

After 4 hours vinyl was tack free and able to be folded. **Note:** Because relative humidity can vary upwardly, we recommend that the user test the vinyl after 4 hours by touching end to end and holding together by hand pressure for 3 minutes. When hand pressure is released, if there is not evidence of tack, then the vinyl can be safely folded. If there is evidence of tack repeat test after 30 minutes.

**SHELF LIFE:** 2Years

**TECHNICAL** **DO A TEST PIECE BEFORE YOU CALL:**

**SUPPORT:** **Technical Support – 218-236-7000**

**DISCLAIMER:** The technical information here is based on Superfrog Enterprises research and is believed to be reliable, but such information does not constitute a warranty. Since Superfrog Enterprises has no control over the condition under which the product is transported, stored, and or applied, buyers must determine for themselves, by preliminary test or otherwise, the suitability of the product for their purposes. Factors beyond our control prevent us from assuming damage to property or person, even when this product is applied according to direction. In no event shall our liability exceed the purchase price of this product.