



# TECHNICAL DATA SHEET

## 7000 SUNSCREEN CLEAR

**FROG JUICE IS MANUFACTURED BY RONAN PAINTS  
IN ASSOCIATION WITH SUPERFROG ENTERPRIZES**

For Customer Service, call 800-307-7951 (EST)

For Technical Support, call 218-236-7000 (CST)

### PRODUCT CODES

7000G

7000Q

7000A

### PACKAGE SIZE

Gallon (128 fl oz)

Quart (32 fl oz)

Aerosol (net wt 12 oz)

### **Weight per gallon:**

7.57 lbs/gallon

### **Actual VOC:**

492.5 g/L (4.11 lbs/gallon)

### **Regulatory VOC:**

541.7 g/L (4.52 lbs/gallon)

### **DESCRIPTION**

Frog Juice 7000 Sunscreen Clear is a versatile liquid lamination coating that provides UV protection and edge-sealing properties, and is suitable for use over a wide variety of surfaces including gold leaf, vinyl, enamel receptive banners, latex and properly cured solvent paints, digital prints and more. Frog Juice dries very hard over time, yet remains flexible. It will not yellow. Requires no hardener or catalyst. Achieves maximum hardness slowly over 30 days, yet is ready to handle and place outdoors in 30 minutes.

### **THINNING**

In many cases, Frog Juice can be used right out of the container. Depending on the application, thinning may be required. If so, use Mineral Spirits as needed. Start with a minimal amount and increase slowly. Do not use Odorless Mineral Spirits. VM&P Naphtha may be used when spray applying; recommended mix is about three (3) parts Frog Juice to one (1) part solvent.

Automotive-Grade Acrylic Enamel or Synthetic Enamel Reducers and Lacquer Thinners will also work in some situations. These solvents should be considered "hot" and may attack the surface being coated with Frog Juice, so a test is recommended before using any of these thinners.

### **APPLICATION**

It's always a good idea to test Frog Juice on a practice panel prior to application to ensure compatibility.

### BRUSHING

If brushing Frog Juice on small surfaces (up to 10 square feet), use a foam brush. Keep area flooded and brush out in all directions. If the brush drags, add more Frog Juice or thin slightly. Brush out air bubbles immediately. Frog Juice should have a syrupy consistency. If it becomes too thick, add Mineral Spirits. Many users brush one wet coat, then spray apply a second coat.

### ROLLING

To coat large surface areas, use a 1/4" foam or short nap roller sleeve. Before the film starts to dry, drag a foam brush over any air bubbles left by the roller to smooth out the clear.

### SPRAYING

Frog Juice can be applied using a variety of spray devices including Preval Sprayers, turbine systems and HVLP guns.

For best results, mix three (3) parts Frog Juice to one (1) part VM&P Naphtha or Mineral Spirits. Adjust thinner as needed depending on air temperature, humidity, air flow and other climactic conditions at the time of application.

Use a standard cross pattern to achieve an even, consistent film; Spray the first coat in a side-to-side pattern, then allow to dry at least 10 to 15 minutes (at 70°F). Spray on a second coat, working up and down the panel. Allow to dry overnight.

### **DRYING**

Frog Juice will be dry to the touch in as little as five (5) to fifteen (15) minutes. Dry times will be shorter when working in direct sunlight, or considerably longer in colder conditions. Frog Juice is best applied in the shade, or in a controlled climate. To speed up drying after application, use a fan to move air continuously over the surface.

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### OVER GOLD LEAF

Frog Juice works well as a sealer when applied over fully-cured Gold Leaf (as well as painted outlines), however care must be taken to avoid drowning the gold in the size to prevent any reactions.

### OVER SIGNGOLD ONE

This is a 22 ct. gold leaf vinyl with a Tedlar face that can be edge sealed onto the substrate with Frog Juice. Brush over the face of the gold, then about 1/16" to 1/8" onto the background so that the edges of the design are protected.

### OVER VINYL

Use Frog Juice over high performance and intermediate vinyl and polyester films like silver, gold mylar, holographic and ultra metallic vinyls. Surface can be completely overcoated or edge sealed. Frog Juice will seal most vinyl films cut with vinyl cutters.

### OVER BANNERS

Frog Juice works on many different banner materials. Do a test panel first to ensure successful results. Vinyl or scrim banners **MUST** be Enamel Receptive, otherwise Frog Juice will cause plasticizer migration and will not dry.

Even over Enamel Receptive banners, it is strongly recommended to first coat a small test area. If the Frog Juice dries in 15 minutes, then proceed, however if the clearcoat remains wet, remove with Mineral Spirits and a rag; that material cannot be coated. Use Water-Based Frog Juice to make any vinyl banner Enamel Receptive.

### OVER DIGITAL PRINTING

Frog Juice protects most digital and thermal printing from fading, making it a popular liquid lamination. Frog Juice increases color saturation, provides abrasion resistance, and usually doubles the life of the inks from fading. It works over all vinyls as well and slows down shrinkage of calendared films from 3M, Arlon, Mactac and Oracal, as well as prints from the more popular digital equipment such as Roland, Mimaki, Mutoh, Summa, HP and Gerber Edge.

### OVER WATER-BASED PAINT

Frog Juice may be applied over fully-dried water-based paints such as Ronan Aquacote, Createx and more, as well as latex house paints of any kind. Applying too soon over water-based paint risks trapping moisture, which can result in a milky/cloudy appearance.

### OVER SOLVENT-BASED PAINT

Frog Juice works over solvent-based paints including Ronan Bulletin and Lettering Enamels, 1Shot and Chromatic sign paints, automotive finishes, enamel painted surfaces and screen inks. To seal Lettering Enamels, spray apply Frog Juice while the paint is still wet. Do a test panel first to ensure successful results. Frog juice can be applied over tacky enamel surfaces without lifting.

### OVER OTHER SURFACES

Use Frog Juice to seal PVC foam board (Versacel, Celtex, Sinatra, etc.), Coroplast (plastic cardboard), MDO, vinyl aluminum-faced boards (like Laminators Omega Series or Nudo Board) and more, making these sign substrates receptive to enamel.

### **CLEANUP**

Close all containers tightly after each use. Cleanup with Mineral Spirits or other appropriate solvent products. After using Aerosol, invert can and spray for several seconds to clear the spray nozzle.

### **WARNINGS/PRECAUTIONS**

This is an abbreviated list of warnings and precautions. See product label and/or Safety Data Sheet for a complete list of all applicable Warnings, Precaution Statements and First Aid instructions.

This product is designed for industrial use only by professionals under controlled conditions. It is not intended for sale to the general public. Keep out of reach of children and pets.

Personal Protective Equipment (PPE), including a properly-fitted fresh-air supplied respirator (NIOSH-approved TC19 or equivalent), is required when handling/using this material.

### **WARRANTY**

All recommendations for the use of this system are based on tests and experience believed to be reliable. It is the responsibility of the purchaser to determine the suitability of this product for its intended use. Since the methods of use, conditions of application and the application itself are beyond the manufacturer's and seller's control, product warranty is limited to the replacement of materials only. No other warranty, written or oral, is expressed or implied.

Frog Juice is Manufactured by Ronan Paints  
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Proudly Made in the USA