

# Installation Guidelines

**WATER BASED/COVERAGE:** One gallon covers approximately 350 SF

## USE ON:

Raw wooden stained or previously painted cabinetry, doors, paneling, furniture, and wood railings. When specifying matte finishes the best surface clarity is achieved by starting with gloss coats and using the lower sheen as the final coat. For optimum protection and to block VOC emissions, three coats is recommended. For a tinted version use Safecoat Ecolacq.

## LIMITATIONS:

Safecoat sealers are made without formaldehyde preservatives. Do not contaminate. Store in airtight containers. Do not use when indoor temperature is below 55 degrees F. Do not freeze. **Thick application, high humidity or conditions other than normal will cause Safecoat to dry and cure more slowly.**

## SURFACE PREPARATION:

Clean surfaces of dirt, grease, mildew and oil. Apply test patches before undertaking large areas to assure good adhesion and lack of surface contamination. Wood staining should be completed before applying finish coats. Previously oil stained wood should be cured 14-20 days before Acrylacq application.

## APPLICATION:

Before using, roll the Safecoat Acrylacq container well, then apply as is. Stir product thoroughly every 20 minutes during application. Apply thinly with a brush, pad or airless sprayer.

### Spraying Guidelines

| Safecoat Finish        | Acrylacq   |         | Polyureseal BP |         |
|------------------------|--|---------|----------------|---------|
|                        | HVLP   | Airless | HVLP           | Airless |
| Equipment              |  |         |                |         |
| Substrate temperature  | 70-75°   | 70-75°  | 70-75°         | 70-75°  |
| Coating temperature    | 70-75°   | 70-75°  | 70-75°         | 70-75°  |
| Pot pressure           | ← If applicable 15-25 Lbs. →   |         |                |         |
| Tip                    | ← 9/1000 - 13/1000 →   |         |                |         |
| Spray pattern          | ← FULL →   |         |                |         |
| Distance from surface  | ← 10-12" →   |         |                |         |
| Dry time between coats | At ambient temperatures, 30-60 minutes<br>Cooler temperatures or higher humidity will double dry times |         |                |         |

## DRYING/CURING TIME:

Sandable after 2 - 4 hours, and re-coatable after 4 - 8 hours. The product will continue to cure and become harder over time. Normal conditions include a dry surface, access to fresh air flow, moderate humidity, and temperatures above 55 degrees F.

## HEALTH PRECAUTIONS:

As with all coatings and sealers, keep container tightly closed and out of the reach of children. Do not take internally. Keep from freezing. Always use adequate ventilation.

## PHYSICAL DATA

Physical Description: Milky dries clear  
 % Volatile by Volume: 68.31%  
 Solubility in Water: Dilutable  
 % Volatile by Weight: 67.01%  
 VOC Material: 124 g/l  
 VOC Material less H2O: 281 g/l  
 HAP's (Hazardous Air Pollutants) zero

**If you are chemically sensitive, always test for personal tolerance. Sample orders can be made through your AFM retailer.**



## CLEAN-UP:

Clean tools and equipment while they are still wet with a warm soapy water solution.

**LIMITED LIABILITY:** Liability, whether express or implied, is limited solely to replacement of product shown to be defective when applied in accordance with instructions and shall under no circumstances include liability for labor costs or consequential damages. It is the user's responsibility to determine the suitability and safety of the product for its intended use. This limited warranty may not be modified or extended by manufacturer's representatives, distributors, or dealers of AFM products. We particularly recommend that users always test in small inconspicuous areas before application to the entire surface. **American Formulating and Manufacturing** 3251 Third Ave., San Diego, CA 92103 www.afmsafecoat.com.

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## **APPLICATION HIGHLIGHTS:**

If you are unsure of any surface, testing with small samples is absolutely necessary. Remove chipped or peeling coatings before application. All wood surfaces should be freshly sanded. Use 60,80,100 or 120 max. grit sandpaper on old wood as needed. Lightly sand newer wood with 120 grit to remove planer marks and open the pores. Lightly sand non-porous surfaces, stained or painted surfaces with 120 grit or 000/0000 steel wool to provide tooth. Always clean the surface with a mild neutral pH cleaner that leaves no residue.

**Do not use a tack cloth that contains solvents.**

**Never apply over stains or sealers that are not fully cured as unwanted reactions may occur. Full curing may take 2-6 weeks.**

**Acrylacq is made strictly for indoor use.**

### **Acrylacq can be applied over the following surfaces:**

Wooden furniture, millwork, molding, doors, stair parts  
Wooden sheet goods such as plywood, mdf, OSB, masonite. Water-based stains and paints that are fully cured.

### **Acrylacq should not be applied over the following surfaces:**

Concrete countertops, Formica type countertops, ceramic or porcelain tile, ABS or PVC plastics, glass, fiberglass, laminate flooring, For vinyl type flooring or any wood flooring (use AFM Polyureseal BP).

**Do not use if this product has been frozen in the container.** Normal shelf life is one year but proper sealing and storage can sometimes result in longer times.

**Do not use it if it looks strange or smells like spoiled food. Trust your nose.**

### **Optimum environmental conditions:**

Temperatures 50-80 degrees F

Humidity 30-65%

Good ventilation

### **For best adhesion:**

Apply 3-4 thin coats over wood surfaces instead of thick coats to build the finish. Fewer coats may be used over non-porous surfaces. Be patient and allow to dry in between coats.

**High humidity above 65% can slow dry times by a factor of 2 times. Cooler temperatures can also slow dry time.**

### **For best appearance:**

For the best surface clarity, multiple coats of gloss is best. Multiple coats of matte or satin will result in a slightly cloudy appearance (3-4%)

**However, for a matte finish with clarity, use gloss coats as the "primer" coats with the final coat being the matte or satin. Use good quality synthetic brush, paint pad etc.**

### **To reduce hazardous emissions and VOCs.**

Acrylacq can be used to block some VOC emissions of some but not all products.

**Acrylacq will not block emissions from organic odors such as pet urine, smoke, air fresheners or fabric softeners.**

**Testing is absolutely required. Be sure to allow adequate dry time in between coats.**

**Good ventilation will help accelerate dry times and reduce emissions.**

**If you are chemically sensitive, always test for personal tolerance.**

**Sample orders can be made through your AFM retailer.**