

**USE ON:** Wooden and cementitious surfaces. Product may be suitable for a variety of other porous or semi-porous surfaces: test first.

**SURFACE PREPARATION:** All surfaces must be clean, dry, free from dirt, dust, grease, wax, oil, silicone, fingerprints, tsp/soap, oxidation, mildew, loose peeling paint or varnish, or any foreign matter/contaminants and finish sanded. Remove all mildew before coating any surface. If more than 25% of old coating has failed, it should be completely removed before applying new coating. Glossy surfaces should be sanded when recoating previously finished areas. Moisture content of wood substrate should be below 8% for very best results.

**WOOD:** Wood staining should be completed before applying finish sealer and finish coats. Use slight cross-grain wet sanding so as to remove excess wood fibers and prevent excessive grain-raising. Final sanding should be sanded with the grain only. When surfaces have been sanded, dust and vacuum thoroughly to remove debris and then use a damp rag to remove dust before applying finish coats. (Note: lac rags may leave a residue that can interfere with flow and adhesion causing surface defects. Do not use steel wool, which can leave metal filings that will rust.)

**CONCRETE:** Ensure that floors are structurally sound and fully cured a minimum of 28 days. Test the floor for vapor drive in accordance with ASTM D4263. Mechanical profiling is the preferred floor-preparation method. Mechanically profile the floor to a medium-grit sandpaper texture and remove curing and parting compounds and other surface hardeners and floor coatings. Acid may be used to etch bare concrete floors to the proper profile when mechanical abrasion is impractical. Make sure the surface is thoroughly clean before etching. Etch all unpainted cement with 1 part 10% muriatic acid to 1 part water. Allow to stand 10-15 minutes then rinse clean with water. After etching, neutralize acid with baking soda or soda ash then rinse thoroughly with water. A properly etched concrete surface should resemble the texture of fine or medium sandpaper.

**APPLICATION:** Components A & B must be mixed together before application. Ratio is 11:1 by weight (kit is pre-measured when all of Part A is mixed with all of Part B). A power tool can be helpful on large jobs. Brush, roll or spray. **DO NOT SHAKE.** Shaking will cause air bubbles. Stir gently and thoroughly before application. This product appears milky when wet, but dries rapidly to a beautiful clear coating.

**COVERAGE** May be rolled, brushed or sprayed. The coverage will vary with surface porosity and profile. You can expect up to 400 square feet per gallon on a smooth surface and between 250 to 350 square feet per gallon on a rough surface. For best results apply two thin coats.

**POT LIFE:** 24 hours. Product will not harden or solidify due to end of pot life. After 24 hours, product can be reactivated by introducing Part B at proper mix ratio of 10:1 or 11:1.

**CLEAN-UP:** Clean tools and equipment while they are still wet with a solution of SafeChoice Super Clean and warm water.

*Note: Customer is likely to encounter a wide variety of substrates, surface preparation methods, application methods, and environments. It is therefore recommended that the customer test the complete system for adhesion and compatibility prior to large scale application. VOC Content: 50 grams per liter.*

**Made in the USA by American Formulating and Manufacturing - San Diego, CA 92103 - [www.afmsafecoat.com](http://www.afmsafecoat.com)**

## FILM PROPERTIES

Drying time:	70F, 50% RH
Set to touch	<15 min
Tack-Free	<20 min
Dry Hard	<30 min
Reverse Impact	=10 FT-LB
Taber Abrasion 1000gm/1000 cycles	4% weight loss
600 Gloss (ASTM D-1308):	>90
Tensile Strength ASTM D-412	6000 lbs per sq/in
Elongation ASTM D-412	40%
Adhesion:	
Dry Tape Test (ASTM D-3359)	5A
Wet Tape (24 hr/700F)	5A
Wet Tape (4 days/700F)	5A
Weathering:	
QUV - "B Bulb" (1000 hr) (ASTM D-4587-91)	>92% gloss retention, 1.6 Delta E color change

**DRYING/CURING TIME:** Dries within 30 minutes and can be recoated in 4 hours. Ready for use in 12 hours. Drying time will vary with weather conditions, air circulation and temperature.

**MAINTENANCE:** Clean with an odorless, dye-free, all-purpose cleaner like SafeChoice Super Clean and soft rag.

**LIMITATIONS:** Unlike conventional finishes, Safecoat is made without formaldehyde preservatives or toxic mildewicides or fungicides. Do not contaminate. Store in airtight containers. Do not use when ambient or surface temperature is below 55°F. Do not freeze.

**HEALTH PRECAUTIONS:** As with all coatings and sealers, keep container tightly closed and out of the reach of children. Do not take internally. Always use adequate ventilation. If you are chemically sensitive, always test for personal tolerance.

**LIMITED LIABILITY:** Safecoat® products are guaranteed not to be defective when properly applied. Note: product data sheets are periodically updated to reflect new information relating to the product. It is important that the customer obtain the most recent product data sheet for the product being used. The information and opinions stated here pertain to the material currently offered and represent the results of tests believed to be reliable. However, due to variations in customer handling and methods of application which are not known or under our control, AFM cannot make any warranties as to the end result. Liability express or implied is limited to replacement of product or refund of purchase price and does not include liability for labor costs or consequential damages. Variable factors out of manufacturer's control, such as environmental conditions, application techniques, and surface conditions are critical to results obtained. Users are expected to exercise reasonable care to determine suitability of the product for each application. 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.

**safecoat**