

# Polyureseal BP

Interior

## Clear Gloss • Satin

**DESCRIPTION:** The highest quality water-based clear gloss finish available today. Its exceptional durability and abrasion resistance, coupled with high solids, very low odor, and very low VOC, make it the clear alternative to conventional solvent and water-based polyurethanes. Also available in **satin** and **pigmented** (off-white).

**USE ON:** Wood, metal, concrete, furniture, cabinetry, display fixtures.

### ADVANTAGES / SIGNIFICANT BENEFITS:

- High solids, more film build, better flow, higher luster. Comparable to conventional urethanes in performance without the toxicity.
- Excellent for gym floors, auditoriums, high volume warehouses (including forklift traffic) and furniture.

**SURFACE PREPARATION:** All surfaces must be clean, dry, free from dirt, dust, grease, wax, oil, silicone, tsp/soap, mill scale, oxidation, loose peeling paint or varnish, or any foreign matter/contaminants. 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-cured and two-part urethanes may have to be removed before applying Polyureseal BP (apply test patch first).

**Wood:** Wood staining should be completed before applying finish coats. Sand wood 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: tac rags may leave a residue that can interfere with flow and adhesion causing surface defects.) Wood surface may be dampened to raise grain, sanded, and then wiped free of dust before applying stain or finish. Moisture content of wood should be below 12% for best results.

**Satin Finish:** To achieve a satin finish on wood, apply at least one thin coat of Safecoat Polyureseal BP Gloss followed by one or two coats of Safecoat Polyureseal BP Satin.

**Metal:** Polyureseal BP can be successfully applied over galvanized metal and aluminum and some other metals. A test patch should always be conducted to determine suitability before applying to large areas. Remove all rust and scale before applying Polyureseal BP.

**Concrete/Cementitious:** Remove weak or powdery surface by mechanical means such as scraping, grinding or blasting. Very smooth concrete should be dulled by some mechanical means. A chemical etch may be used in some circumstances. Follow manufacturer's instructions very carefully. Surfaces should be aged at least 28 days before any coating should be applied. Do not apply Polyureseal BP over concrete compounds or waterproofing agents that have been previously applied to surface without conducting a test patch first.

**APPLICATION:** Care should be taken before applying over surface coatings where stearates have been used. Apply test patches before undertaking large areas to assure good adhesion between Polyureseal BP and previous coatings. Stir thoroughly before use. Do not shake container. Shaking causes bubbles. Pour Polyureseal BP into another container before applying coating to avoid contaminating main container. Use a quality nylon brush, pad applicator, or a spray applicator. Apply liberal coats, keeping a good wet edge and avoid over brushing. Do not puddle material on floors. Avoid working back into areas that have started to dry. In most cases, a minimum of 2

coats is required, depending on the surface. Apply thin even coats when spraying rather than heavy coats which will tend to sag. If spray pattern begins to dryspray, reduce air pressure and increase material flow to surface. Choose unheated spray applicators over those that heat material. When spraying, use a .015 tip or smaller. Use aluminum oxide or silicon carbide sandpaper to sand between coats. Use a damp rag after sanding to remove dust particles. Avoid applying coatings when air or surface temperature is below 55 degrees F or when heavy fog or rain is imminent.

**COVERAGE:** One gallon of Safecoat Polyureseal BP covers approximately 350 square feet in one coat depending on method of application and surface porosity.

**THINNING:** No reduction is required, but product may if necessary be thinned with up to 5% water by volume. Overthinning may cause loss of gloss and impair product performance.

**CLEAN-UP:** Clean tools and equipment with warm, soapy water while they are still wet.

**DRYING/CURING TIME:** Under normal conditions, Safecoat Polyureseal BP dries to touch in 1 hour, is sandable after two hours and is re-coatable after 4 hours. The product will continue to cure and become harder over time; avoid traffic and heavy use for at least 24 (and preferably 48) hours after application. Normal conditions include a clean, dry surface, access to fresh air flow, a dust free environment, moderate humidity, and temperatures above 55 degrees F. **Thick application, high humidity or conditions other than normal will cause Safecoat Polyureseal BP to dry and cure more slowly.**

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

**LIMITATIONS:** Safecoat Polyureseal BP is made without conventional formaldehyde preservatives. Do not contaminate. Store in air tight containers. Do not subject coating to temperature extremes. Do not use when temperatures are expected to fall below 55 degrees F. Do not freeze.

**HEALTH PRECAUTIONS:** As with all coatings and stains, 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:** The great variation between environmental factors, possible surfaces and application techniques, and the lack of control we have over such matters, must affect our policies. Safecoat products are guaranteed not to be defective when applied and used in accordance with instructions. However, liability, whether express or implied, is limited to replacement of product or refund of purchase price and cannot include liability for labor costs or consequential damages. Because of the variety of circumstances affecting each job, it is the user's responsibility to determine the suitability and safety of the product for any particular 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.**