



PolySeal™ Wall, Woodwork, & Floors

POLYSEAL COLORS*



DESCRIPTION: PolySeal™ Wall, Woodwork, & Floors is a water-based polyurethane/acrylic varnish that is designed for use on all interior bare wood surfaces including kitchen cabinetry, molding, paneling, log walls and front entrance doors that are not directly exposed to the elements. Its rich, full-bodied consistency is much easier and less mess to apply than your typical thin varnishes. When applying PolySeal™, you'll quickly see how pleasant and low in fumes it is. It dries fast and can be top coated normally within 4 hours, which means you can get your project completed in less time and without the unpleasant side effects of smelly fumes. It cures to a durable transparent coating that's easy-to-clean and maintain. 2 and preferably 3 coats are recommended for best performance and appearance. Available in Crystal, Amber, Maple, and Amish Pine transparencies.

SURFACE PREPARATION: For best results, the wood surface must be clean, dry and free from dust, grease, oil, wax, dirt, paint, and fungus. If necessary, fill holes and cracks in the wood with a good quality acrylic or latex-based wood filler. Do not use wax sticks or wood fillers that contain waxes or stearate additives. Previously varnished surfaces that are in sound condition should be sanded and cleaned before applying PolySeal™. Do not apply PolySeal™ on wood surfaces that are cold or damp or over wood that has moisture content that exceeds 18%, or on wood surfaces with an acidic pH (below 7 and often caused by acid rain or chemically treated wood) otherwise moisture-related discoloration and coating problems could occur. To help neutralize an acidic wood surface; apply onto the wood surface a cleaning solution consisting of 4 ounces of Trisodium Phosphate (TSP) or equivalent dissolved into one-gallon of clean warm water. Lightly scrub the

surface with a sponge or soft bristle brush, then rinse the cleaning residue with fresh water. DO NOT ALLOW THE CLEANING SOLUTION TO DRY ON SURFACE. It is important to thoroughly remove the cleaning residue from the wood surface, otherwise adhesion problems may occur. To smooth the wood surface once clean and dried, lightly sand with a medium to fine grit sandpaper. Remove sanding dust before applying PolySeal™.



MIXING: Mix thoroughly before using. Do not dilute. Settling can occur especially with the Satin. Make certain to softly scrape all residue off the bottom. The residue may have a thick paste-like consistency but will mix in readily with a drill mixer (found at most paint stores). Hand stirring until completely blended may be adequate if settling is at a minimum. Do not shake or otherwise create foam.

APPLICATION GUIDELINES: ALWAYS MAINTAIN GOOD VENTILATION! DO NOT APPLY IN ROOMS HEATED WITH A SPACE HEATER OR WITH A PROPANE HEATER THAT IS NOT EXHAUSTED TO THE OUTDOORS! Air and Surface temperatures should remain constant and not fall below 65°F/18°C during application and the first 3 days after application. Apply with a good quality synthetic bristle varnish brush or a pad applicator, whichever works best in your situation. Apply in even strokes and avoid excessive brushing. PolySeal™ will raise the grain on most hard woods and will require light sanding once dried. 180 grit 3M brand 235U green sandpaper is recommended for sanding PolySeal™. NEVER USE STEEL WOOL! For the smoothest finish, light sanding between coats is recommended although not always essential. Wait a minimum of 4 hours between coats (75°F/24°C, 50% RH). Sand in the direction of the wood grain and remove sanding dust by vacuum and damp cloth. Ideal temperature is 65° to 80°F (18°C to 27°C). If temperatures are too cold or too hot, PolySeal™ may not apply in a smooth and fluid manner resulting in an uneven application and appearance. Also high humidity will lengthen the dry of PolySeal™ and can interfere with its ability to spread evenly and form a good film.

APPLICATION TIP: Because PolySeal™ dries fast, care must be taken to avoid lap marks, especially when applying colors. Apply PolySeal™ at a steady even tempo and always coat the wood section to completion. Don't stop in the middle! When reloading applicator between brush outs, start approximately 4" to 6" in advance of the previous application and work back to it, then proceed forward in order to reduce likelihood of lap marks.

WOOD MOISTURE CONTENT: To minimize the potential of moisture-related wood and coating discoloration and coating problems, do not apply PolySeal™ on wood surfaces that are damp or over wood that has moisture content that exceeds 18%. Also, milled wood that has been previously wetted by rain or outside water sources may reveal subsurface watermarks after coating with PolySeal™ even though the wood surface appears unblemished.

LOG HOMES: For interior log walls; wait through a heating season and 1 year or more (depending on the diameter and the degree of dryness of the logs) before applying PolySeal™. If applied over green logs, moisture related wood and coating discoloration and

coating problems can occur such as subsurface mold and mildew, chemical discoloration (coffee stains), blushing, and peeling of the coating. Also, milled or finished logs that have been wetted by rain or other water sources may reveal subsurface watermarks after coating with PolySeal™ even though the wood surface appears unblemished.

WOOD FLOORS: Floors boards must be kiln dried, otherwise wait until floor boards are dry below 18%. For best appearance, applicators designed for applying water-based wood floor varnishes are recommended. Otherwise use a quality synthetic bristle. Care must be taken to avoid unevenness and lap marks. Work at a constant medium rate tempo. Apply in even strokes and avoid excessive back brushing. To prevent lap marks during application, always start approximately 12"-18" from where the last application ended and work back to and feather in the overlap. If possible, always coat entire sections of flooring nonstop and avoid partial overlap on adjacent boards. Otherwise lap marks, especially when applying colors, will be difficult to avoid. 4 coats is preferred for best appearance and performance. Allow each coat to dry tack free a minimum of 2 and preferably 3 hours (70° F [21°C] and moderate humidity) before applying subsequent coats. Wipe with a lint free damp cloth between coats to insure a particle free surface. Wait 24 hours after completion before placing furniture and allowing light foot traffic. Full hard cure of PolySeal can take up to 14 days. When used on wood floors, wipe up any spills right away.

DRY TO TOUCH: 60 to 90 minutes at 70°F and moderate humidity.

MAINTENANCE: Keep PolySeal™ coated surfaces dusted and clean. For dirtier stained areas, Murphy's Oil Soap or similar wood cleaners works well. Avoid cleaners that contain alcohol or strong cleaning agents.

COVERAGE: Coverage will vary according to porosity of the wood, method of application, application technique and the amount of coats applied. Generally, two coats will average about 250 square feet per gallon for each coat. Three-coat coverage for each coat will increase to an approximate average of 300 to 400 square feet per gallon.

CLEAN-UP: Clean tools and equipment immediately after use with warm soapy water then rinse clean with fresh water.

CAUTION: A milky haze in the PolySeal™ film can occur if more than one coat is applied too quickly without allowing the previous coat(s) to properly dry. Similar milky color changes can occur in the presence of moisture and cold surface and air temperatures, especially if PolySeal™ has not completely cured. Also, applying too thick of a coat in a single application may cause a similar effect. **DO NOT PUDDLE! AVOID PROLONGED CONTACT WITH ALCOHOL OR ALCOHOL-BASED LIQUIDS. WIPE UP ANY ALCOHOL SPILLS IMMEDIATELY! OTHERWISE THE ALCOHOL CAN ATTACK, DAMAGE AND DISCOLOR THE POLYSEAL FILM AND WILL REQUIRE SANDING AND RECOAT TO PROPERLY REPAIR AND RESTORE.**

IMPORTANT: PolySeal's™ water-based emulsion chemistry can interact and react with acid rain residue, water-soluble extractives found in certain species of wood, or with chemical residues from fungicidal treatments. Such reactions can result in incomplete film formation (frosty white), discoloration of the wood (coffee to mustard color) and/or the coating. Always first test a small portion of the wood to be coated with PolySeal™ to make certain color, appearance and integrity of the coating is suitable and to confirm that the chemical reactions mentioned above will not occur. However, it must be recognized that in some instances, these color changes and conditions may take a period of time, especially if the causes are moisture related.

***ABOUT COLOR:** *PolySeal™* in the photos represent 2 brush coats over white pine log siding. These colors are representations only and are not to be confused with the actual colors achieved when applied to a particular wood surface. Colors will vary according to the method of application, the amount of material applied, the surface conditions of the wood coated, differences in light sources, wood species and types of wood coated. For a more accurate impression of color, ask for a liquid sample from The Continental Products Co. or from one of its distributors.



Tech. Data:

WEIGHT SOLIDS: 33%

VOLUME SOLIDS: 30%

V.O.C.: (less water) 0.97 lbs./gal (116 g/l)

Continental Products Limited Warranty

Our recommendations for the use of this product are based on data believed to be reliable. The use of this product being beyond control of the manufacturer, no guarantee, expressed or implied is made. If PolySeal is shown to be defective due to material and workmanship, replacement of material up to the amount used or refund of the purchase price of the amount used will be made at the manufacturer's option with the proof of purchase. Unused and unopened portions of defective material will also be replaced or refunded. In no event shall the manufacturer be responsible for damages in excess of the purchase price. Product discoloration or breakdown caused by poor building design, inadequate surface preparation, improper or unusual environmental and substrate conditions, substrate-caused failures, long term or improper storage, or improper handling and application methods is not covered by this warranty. Additionally, this warranty does not cover ANY labor costs or indirect, direct, incidental, special or consequential damage or emotional distress incurred, including but not limited to repair and reapplication labor. This warranty gives you specific legal rights and you may also have other rights that vary from State to State. To make a claim under this warranty, contact your PolySeal distributor or The Continental Products Co.

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