



PRODUCT DATA

111 South Maple Avenue, South San Francisco, CA 94080

800-877-5997 • (650) 873-5990 • FAX: (650) 873-7441

VINYL SANDING SEALER "SOLVENT BASE"

PRODUCT CODE: 103 – 111

PRODUCT DESCRIPTION: Vinyl Sanding Sealer is a **clear**, fast drying, easy sanding, stearate free, high solid sanding sealer, designed to give a higher building, superior moisture resistant sealer system under **Catalyzed Finish Systems** such as: **Clear & Pigmented Conversion Varnishes, Urethane Finishes**, and **Un-Catalyzed Finish Systems** such as: **Water White Clear and Pigmented CAB Acrylic Lacquers**, as well as **Precatalyzed Lacquer Finishes**.

INTENDED USE: This fast drying, clear Vinyl Sanding Sealer is specifically formulated to meet the performance standards of the **Institutional/Commercial, Office Furniture, Cabinets, and Interior Wood Finishers Markets**. Used in tandem with a variety of different Clear and Pigmented Finishes, it is the ideal sanding sealer for providing **improved film building properties, adhesion, and moisture resistance** for a more technically advanced, durable finishing system over **kitchen cabinets, vanities, chairs, tables, desks, wood paneling and over white, natural or lightly colored wood substrates** anywhere a **hard durable moisture resistant finish with true water white color clarity is required**. Vinyl Sanding Sealer is packaged in one gallon and five gallon containers.

SURFACE PREPARATION

WARNING!

If you scrape, sand, or remove **Old Paint**, you may release **Lead Dust**. **LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE.** Wear a NIOSH-Approved Respirator to control **Lead Exposure**. Clean up carefully with a **HEPA Vacuum and Wet Mop**. Before you start, find out how to protect yourself and your family by contacting **The National Lead Information Hotline at 1-800-424-LEAD** or log on to www.epa.gov/lead.

ALL SURFACES: Must be clean, dry and free of dust, dirt, oil, grease, wax or any contamination that would adversely affect the adhesion or performance of this coating. Remove all oil, dirt, and other contaminants by cleaning with a V.O.C. compliant commercial cleaner/degreaser. Rinse thoroughly and allow the surface to dry completely before applying the Vinyl Sanding Sealer.

ALL MILDEWED SURFACES: Existing mildew should be removed by washing the affected areas with a 3:1 solution of water and chlorine bleach or reliable commercial mildewcide. Keep applying until all discoloration is removed. Rinse thoroughly and allow the surface to dry completely before applying the Vinyl Sanding Sealer.

103 – 111 Vinyl Sanding Sealer continued

SURFACE PREPARATION continued

NEW WOOD SURFACES: Where appropriate, sand the surface smoothly with 180 grit or finer sandpaper prior to staining or sealing. Dust and sand residue should be removed with a clean cotton cloth or vacuumed prior to coating with Simpson Coatings Stains/Woodtone Sealers. All nail holes, cracks, and blemishes should be repaired prior to staining application. Apply one coat of Simpson Coatings Stains/Woodtone Sealers without thinning, allowing 30 to 45 minutes surface setting time for the Stains/Woodtone Sealers to uniformly develop itself. Allow 30 to 45 minutes drying time before applying the Simpson Coatings Vinyl Sanding Sealer #103–111.

NOTE: **Open grained wood such as Oak or Walnut may need a wood filler. If desired, be sure to choose a wood filler that is compatible with both Simpson Coatings Stains/Vinyl Sanding Sealers. Follow the manufacturers recommendation for dry/cure time before applying Stains and Sealer/Finishes.**

PREVIOUSLY COATED SURFACES

ALL PREVIOUSLY COATED SURFACES: Clean thoroughly as directed for all surfaces. Remove all loose peeling paint and chalk oxidation by sanding. Glossy surfaces should be sanded to a dull finish for maximum adhesion. Surfaces requiring complete restoration must have the finish removed by either power sanding or use of paint/varnish remover, then treated as a new surface.

PREVIOUSLY COATED WOOD SURFACES: Clean thoroughly as directed above for previously coated surfaces.

APPLICATION

Estimation of practical coverage of this product can be variable and is completely dependent on application technique i.e., (determine amount of wet film thickness application to achieve dry film thickness) and the porosity of the substrate.

Drying time and curing time can be adversely affected by extreme high/low substrate and atmospheric temperature variances, along with extreme high/low humidity. Apply when **air, product and surface temperatures** are between **60 °F – 90 °F**, the relative humidity is no greater than **85%**, and surface is at least **5 °F** above the dew point.

NOTE: **For those wood substrates that are to be coated with catalyzed finishing products, or wood substrates that are more opened grain in texture, have soft grain porosity, or for increasing moisture resistance in the finish, it is required to catalyze one gallon of Simpson Coatings Vinyl Sealer #103–111A with 4 ounces of Vinyl Sealer Catalyst #103–111B (ratio 4 oz. Catalyst to 124 oz. of sealer). Mix only enough material to be used in a pot life at 77 °F for 24 hours. DO NOT USE OTHER MANUFACTURERS CONVERTERS/CATALYST WITH THE VINYL SANDING SEALER #103–111A.**

Do not shake or agitate the container. This will create excessive air entrapment in the coating material resulting in a propensity to blister and pinhole. **STIR** the product thoroughly before and during application, keeping the product dispersed for uniform consistency in the finish coat.

103 – 111 Vinyl Sanding Sealer continued

APPLICATION continued

Simpson Coatings Vinyl Sanding Sealer is designed for use over Simpson Coatings Stains/Woodtone Sealers. If other manufacturer's conventional oil stains or other type of stains, glazes, toners are used, they all must be thoroughly dry/cured per the manufacturer's recommendation before applying the Vinyl Sanding Sealer.

NOTE:

★ **All spray equipment must be flushed out prior to applying the Vinyl Sanding Sealer, with Simpson Coatings Lacquer Thinner #309-013, to remove any contaminants that would adversely affect the performance of this product. EXCEPT AS RESTRICTED BY YOUR LOCAL AIR QUALITY MANAGEMENT DISTRICT.**

WOOD SURFACES:

Apply Simpson Coatings Vinyl Sanding Sealer with Professional Conventional, Airless, HVLP Spray Technology. Apply one coat at 3.5 to 5.5 mils wet to achieve 0.5 to 0.8 mils dry film thickness, allowing 30 to 60 minutes dry time to sand/recoat. Inspect surface for any raised fibers or imperfections. Sand lightly any imperfect areas. Repeat recoat application as necessary to achieve desired build and finish. Allow the final coat of Vinyl Sanding Sealer to dry 30 to 60 minutes prior to sanding.

NOTE:

Vinyl Sanding Sealer must be sanded prior to coating with all topcoat finishing products.

THINNING/CLEAN – UP

AIR ATOMIZED/AIRLESS SPRAY:

DO NOT THIN THESE PRODUCTS. These products are ready-to-apply as packaged. Thinning these products can adversely affect film building properties, dry/cure times, and volatile organic compound (V.O.C.) emissions. Please review the U.S. E.P.A. National Rule and your Local Air Quality Management Districts Rules and Regulations regarding V.O.C. emissions and Clean Up Products Regulations for Architectural and Industrial Maintenance Coatings.

CLEAN – UP:

Use Simpson Coatings Acetone #304-013 for cleaning Application Tools and Spray Equipment only! **EXCEPT AS RESTRICTED BY YOUR LOCAL AIR QUALITY MANAGEMENT DISTRICT.**

EQUIPMENT RECOMMENDATIONS

BRUSH/ROLLER:

Not recommended.

SPRAY:

Vinyl Sanding Sealer Finishes can be applied by Professional Airless, Conventional or HVLP Spray Technology.

Refer to spray equipment suppliers' recommendation for fine finish spray guns, caps, tips and fluid needles. HOT SPRAY OR HEAT INDUCED SPRAY APPLICATION IS NOT RECOMMENDED. Simpson Coatings Vinyl Sanding Sealer Catalyst #103-111B is an acid. To prevent acid corrosion and pitting; it is recommended that all equipment, containers, piping, should be made of stainless steel. Acid reacting with iron or steel will cause a discoloration of the Vinyl Sanding Sealer.

103-111 Vinyl Sanding Sealer "Solvent Base" Technical Data/Physical Properties

Resin Type: Vinyl Resin
 Solvents: Alcohols, Aromatic Hydrocarbons & Ketones
 Coatings V.O.C. < 680 G/L

PRODUCT	ANALYSIS					PRODUCT COVERAGE			
	Pigment % by weight	% Solids by weight	% Solids by volume	Gloss	Viscosity	Wt. Per Gallon	Recommended Dry Film Thickness	Recommended Wet Film Thickness	Practical Coverage (assume 15% material loss)
103-111 Vinyl Sanding Sealer	18.2-20.2%	12.8-14.8%	N/A	18-22 Sec #2 Zahn	7.2-7.8	0.5-0.8 mils	3.0-4.0 mils	230-300 sq. ft.	275-300 sq. ft.

Dry times @ 77° F and 50% R.H. Tack Free: 10-15 Minutes

Handle: 15-20 Minutes

Sand/Recoat: 30-60 Minutes

Full Dry/Cure: 32-40 Hours

Special instructions: POT LIFE: if catalyzed with 103-111B, pot life is 24 hours @ 77°F

WARNING: THIS PRODUCTS CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.
 Proposition 65 Warning
 TECHNICAL SERVICE: Technical Services are available through Simpson Coatings Technical Service Support at 1-800-877-5997

LIMITED WARRANTY: The statements on this bulletin product label, or by any of our agents concerning these materials are given for information only. They are believed to be true and accurate and intended to provide a guide to approved construction practices and materials. As workmanship, weather, construction equipment, quality of other materials and other variables affecting results are all beyond our control. The Simpson Coatings Group does not make nor does it authorize any agent or representative to make any warranty of MERCHANTABILITY OR FITNESS for any purpose or any other warranty, expressed or implied, concerning this material except that it conforms to the standards in Simpson Coatings quality control standards. Any liability whatsoever of Simpson Coatings Group