



PRODUCT DATA

111 South Maple Avenue, South San Francisco, CA 94080

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

550 WATER WHITE PREMIUM LACQUER "SOLVENT BASE"

PRODUCT CODE: 102 – 81X

PRODUCT DESCRIPTION: 550 Water White Premium Lacquers are a premium quality line of alkyd modified nitrocellulose lacquers formulated for the professional applicators economy. These Lacquer Sanding Sealers/Finishes are specifically designed for the Pro Shop Environment for finishing interior wood substrates where multiple coats may be applied rapidly to obtain a solid, tough finish with "Water White" clarity.

INTENDED USE: These Lacquer Finishes are recommended for use on all types of **interior wood products** such as **kitchen cabinets, furniture, millwork, doors, decorative molding and paneling** or anywhere a hard finish is desired. 550 Water White Premium Lacquers are available in a Sanding Sealer and five different Gloss Finishes and are packaged in Drums, Five Gallon and One Gallon containers.

102 – 811
Sanding Sealer

102 – 812
Gloss

102 – 813
Semi-Gloss

102 – 814
Flat

102 – 817
Satin

102 – 818
Dead Flat

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 non-V.O.C. regulated commercial cleaner/degreaser. Rinse thoroughly and allow the surface to dry completely.

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 before coating.

102 – 81X 550 Water White Premium Lacquer continued

SURFACE PREPARATION continued

NEW SURFACES

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 550 Water White Premium Lacquer Sanding Sealer #102 – 811.

PREVIOUSLY COATED SURFACES

ALL PREVIOUSLY COATED SURFACES:

Clean thoroughly as directed for all surfaces. Remove all loose peeling coatings and chalk oxidation by sanding or pressure washing. All glossy surfaces should be dulled for maximum adhesion by sanding. For previously coated surfaces a test patch of the Simpson Coatings 550 Water White Premium Lacquer Finish is recommended. If lifting or wrinkling occurs, refrain from using the lacquer system. Surfaces requiring complete restoration must have the finish removed by either power sanding or use of a paint/varnish remover, then treated as new surfaces.

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.

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.

Simpson Coatings 550 Water White Premium Lacquer Finishes are designed for use over Simpson Coatings Lacquer Stains. If conventional oil stains or other types of stains are used, the stain must be thoroughly dry/cured per stain manufacturers recommendation before applying 550 Water White Premium Lacquer Finishes.

WOOD SURFACES:

Apply Simpson Coatings 550 Water White Sanding Sealer and Finishes with Professional Airless, Conventional or HVLP Spray Technology. Apply one coat of Simpson Coatings 550 Water White Premium Lacquer Sanding Sealer #102 – 811 @ 5.0 to 7.0 mils wet to achieve 1.0 to 1.5 mils dry film thickness, allowing 30 to 60 minutes dry time to recoat. Inspect the surface for any raised fibers or imperfections. Sand lightly any imperfect areas. Apply first coat of Simpson Coatings 550 Water White Premium Lacquer Finish #102 – 81X @ 5.0 to 7.0 mils wet to achieve 1.0 to 1.5 mils dry film thickness. Allow 30 to 60 minutes dry time to recoat. Repeat recoat application as necessary to achieve desired build and finish. Allow the final coat of the Lacquer Finish to dry 10 to 12 hours for light traffic use, a full 24 to 48 hours cure time for heavy traffic use.

102 – 81X 550 Water White Premium continued

PREVIOUSLY COATED SURFACES continued

PREVIOUSLY COATED SURFACES:

As directed in surface preparation, a test patch of the 550 Water White Premium Lacquer Finish is recommended. If no lifting occurs, apply two coats of 550 Water White Premium Lacquer Finish #102 – 81X @ 5.0 to 7.0 mils wet film thickness to achieve 1.0 to 1.5 mils dry film thickness. Allow 30 to 60 minutes dry time to recoat. A 10 to 12 hour dry time must be allowed for light traffic use, a full 24 to 48 hour cure time is required for heavy traffic.

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:

550 Water White Premium Lacquers can be applied by Professional Airless, Conventional or HVLP Spray Technology.

102-81X 550 Water White Premium Lacquer "Solvent Base" Technical Data/Physical Properties

Resin Type: Nitrocellulose Lacquer
Solvents: Acetone, Alcohols, Aliphatic & Aromatic Hydrocarbons, Acetates & Ketones
Coatings V.O.C. < 550 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)	Theoretical Coverage @ 1 mil D.F.T.
102-811 550 Water White Premium Sanding Sealer		19.1-21.1%	12.7-14.7%	N/A	25-30 Sec. #2 Zahn Signature	7.0-7.6	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-812 550 Water White Premium Gloss Lacquer		19.3-21.3%	12.8-14.8%	80+	25-30 Sec. #2 Zahn Signature	7.0-7.6	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-813 550 Water White Premium Semi-Gloss Lacquer		19.4-21.4%	12.9-14.9%	57-63	25-30 Sec. #2 Zahn Signature	7.0-7.6	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-814 550 Water White Premium Flat Lacquer		27.9-29.9%	19.5-21.5%	8-15	25-30 Sec. #2 Zahn Signature	7.3-7.9	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-817 550 Water White Premium Satin Lacquer		19.7-21.7%	13.1-15.1%	27-33	25-30 Sec. #2 Zahn Signature	7.0-7.6	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-818 550 Water White Premium Dead Flat Lacquer		19.9-21.9%	13.1-15.1%	<3	25-30 Sec. #2 Zahn Signature	7.0-7.6	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.

Dry times @ 77° F and 50% R.H.

Tack Free: 15-20 Minutes

Handle: 20-30 Minutes

Sand/Recoat: 30-60 Minutes

Full Dry/Cure: 24-36 Hours

SPECIAL INSTRUCTIONS:

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, guarantee or implied, concerning this material except that it conforms to Simpson Coatings quality control standards. Any liability whatsoever of Simpson Coatings Group