



PRODUCT DATA

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WATER WHITE 680 LACQUER "SOLVENT BASE"

PRODUCT CODE:	102 – 13X
PRODUCT DESCRIPTION:	Water White Lacquer Sealers and Finishes are premium quality alkyd modified nitrocellulose lacquers that are completely clear (no amber tone). These products are specifically formulated to produce a water white, excellent build, tough alcohol, scratch and mar resistant finish.
INTENDED USE:	Water White Lacquer Sealers and Finishes are excellent finishes designed for professional application on white or light color stained wood as well as deeptone stained wood substrates . Using these Water White Lacquer Sealers/Finishes in tandem with Simpson Coatings Lacquer Stains/Woodtone Sealers have become the utmost Lacquer Finishing System over high grade cabinet work, table tops, antique/replica and fine furniture, store and office fixtures, musical instruments, or for protecting and enhancing bronze, brass and other decorative metal artifacts . Water White Lacquer is available in a Sanding Sealer and four different Gloss Finishes, packaged in five gallon and one gallon containers.

102 – 132
Sanding Sealer

102 – 131
Gloss

102 – 133
Semi-Gloss

102 – 137
Satin

102 – 134
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 commercial non-V.O.C. cleaner/degreaser. Rinse thoroughly and allow to dry.
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 surface to dry before coating.

102 – 13X Water White 680 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 Lacquer Stains or Lacquer Sealers. Apply one coat of Simpson Coatings Lacquer Stain/Woodtone Sealers without thinning, allowing 3 to 5 minutes surface setting time for the Lacquer Stain/Woodtone Sealer to uniformly develop itself. Allow 30 to 45 minutes drying time before recoating with Simpson Coatings Water White Sanding Sealer #102-132.

NEW METAL SURFACES: Prepare new metal surfaces as directed with all surfaces.

PREVIOUSLY COATED SURFACES

ALL PREVIOUSLY COATED SURFACES: Clean thoroughly as directed for all surfaces. Remove all loose peeling coatings and chalk oxidation by sanding. Glossy surfaces should be dulled by sanding for maximum adhesion. For previously coated surfaces a test patch of the Simpson Coatings Water White Lacquer Sealer or Finishes 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 a new surface.

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

PREVIOUSLY COATED METAL SURFACES: Clean thoroughly as directed above. Remove loose rust, mill scale and deteriorated previous coatings by wire brushing or sandpaper. If rust is underneath the film, remove the finish until a ring of bright metal is exposed.

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.

Water White Lacquer Sealers/Finishes are recommended for use over Simpson Coatings Lacquer Base Stains. If conventional oil stains or other types of stains are used, the stain must be completely Dry/Cured per stain manufacturers recommendation before applying Water White Lacquer Sealer/Finishes.

102 – 13X Water White 680 Lacquer continued

APPLICATION continued

WOOD SURFACES:

Apply Simpson Coatings Water White Lacquer Sanding Sealer and Finishes with Professional Airless, Conventional or HVLP Spray Technology. Apply one coat of Simpson Coatings Water White Sanding Sealer #102-132 @ 3.1 to 4.7 mils wet to achieve 0.5 to 0.75 mils dry film thickness, allowing 30 to 45 minutes dry time to recoat. Inspect surface for any raised fibers or imperfections. Sand lightly any imperfect areas. Apply first coat of Simpson Coatings Water White Lacquer Finishes #102-13X at 2.7 to 6.4 mils wet to achieve 0.5 to 0.75 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 to 10 to 12 hours for light traffic use, a full 24 to 48 hours cure time for heavy traffic use.

ALL METAL SURFACES:

Apply two coats of Water White Lacquer #102-13X, allowing 30 to 60 minutes in between each coat. A 10 to 12 hour dry time must be allowed for light foot traffic. For areas such as metal handrails, stair scuff plates, doorknobs, allow a full 24 to 48 hour cure time.

PREVIOUSLY COATED SURFACES:

As directed before in surface preparation, a test patch of the Lacquer Finish is recommended. If no lifting occurs, apply two coats of Water White Lacquer #102-13X, at 0.5 to 0.75 mils dry film thickness. Allow 30 to 60 minute dry time to recoat. A 10 to 12 hour dry must be allowed for light traffic, a full 24 to 48 day cure time is required for heavy traffic use.

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

AIR ATOMIZED/AIRLESS SPRAY:

Water White Lacquer Sanding Sealers and Finishes can be applied by Professional Airless, Conventional, or HVLP spray technology.

102-13X Water White 680 Lacquer "Solvent Base" Technical Data/Physical Properties

Resin Type: Nitrocellulose Lacquer
Solvents: Alcohols, Aliphatic & Aromatic Hydrocarbons, Esters, Glycol Ethers & 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)	Theoretical Coverage @ 1 mil D.F.T.
102-131 Water White 680 Gloss Lacquer		22.1-24.1%	17.8-19.8%	80+	30-35 Sec. #4 Ford	7.0-7.6	0.5-0.75 mils	2.7-4.0 mils	325-350sq. ft.	300-325 sq. ft.
102-132 Water White 680 Sanding Sealer Lacquer		21.3-23.3%	14.8-16.9%	Flat	30-35 Sec. #4 Ford	7.0-7.6	0.5-0.75 mils	2.7-4.0 mils	400-425 sq. ft.	350-400 sq. ft.
102-133 Water White 680 Semi-Gloss Lacquer		21.5-23.5%	16.4-18.3%	40-60	30-35 Sec. #4 Ford	6.9-7.5	0.5-0.75 mils	2.9-4.3 mils	375-400 sq. ft.	350-375 sq. ft.
102-134 Water White 680 Flat Lacquer		15.9-17.8%	10.8-12.9%	15 Max	30-35 Sec. #4 Ford	6.9-7.5	0.5-0.75 mils	4.2-6.4 mils	225-250 sq. ft.	200-225 sq. ft.
102-137 Water White 680 Satin Lacquer		20.4-22.3%	15.1-17.0%	21-27	30-35 Sec. #4 Ford	7.0-7.6	0.5-0.75 mils	3.2-5.0 mils	325-350 sq. ft.	300-325 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:

Proposition 65 Warning

WARNING: THIS PRODUCTS CONTAINS CHEMICALS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER AND BIRTH DEFECTS OR OTHER REPRODUCTIVE HARM.

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 representation, expressed or implied, concerning this material except that it conforms to Simpson Coatings quality control standards. Any liability whatsoever of Simpson Coatings Group to the buyer or user of this product is limited to the purchaser's cost of the product itself.