



PRODUCT DATA

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CONTRACTORS 680 LACQUERS "SOLVENT BASE"

PRODUCT CODE: 102 – 30X

PRODUCT DESCRIPTION: The Contractors 680 Lacquer Sanding Sealer and Finishes are clear interior high solids Lacquers formulated for the Contractors economy. These Lacquer Sealers and Finishes are designed for **professional application to open or closed grain interior finished wood surfaces**, where multiple build coats may be applied rapidly to obtain a solid, tough, yet decorative finish.

INTENDED USE: The Contractors 680 Lacquer Finishes are recommended for **cabinets, doors, woodwork, virtually any finishing hard woods such as Birch or Ash, as well as soft woods like Pine or Fir**. Contractors Lacquers are available in a Sanding Sealer with four different Gloss Finishes, and are packaged in five gallon and one gallon containers.

102 – 302
Sanding Sealer

102 – 301
Gloss

102 – 303
Semi-Gloss

102 – 307
Satin

102 – 304
Flat

NOTE: Contractors 680 Lacquer Sealer/Finishes are not recommended for use over White, or Lightly/Pastel Colored Wood Stains.

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.

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 – 30X Contractors 680 Lacquers continued

SURFACE PREPARATION continued

NEW WOOD

NEW WOOD SURFACES: Where appropriate, sand the surface smoothly with 180 grit or finer sandpaper prior to staining or sealing. Dust and sand should be removed with a clean cotton cloth or vacuumed prior to coating with Simpson Coatings Stains or Lacquer Sealers. Apply one coat of Simpson Coating Stain/Woodtone Sealers without thinning, allowing the 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 Contractors 680 Sanding Sealer #102-302.

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 coating and chalk oxidation by sanding. Glossy surfaces should be scuffed/sanded for maximum adhesion. For previously coated surfaces, a test patch of the Simpson Coatings Contractors 680 Lacquer Sealer/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 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.

Contractors 680 Lacquer Sealer/Finishes are recommended for use over Simpson Coatings Stains/Woodtone Sealers. If other manufacturer's conventional oil stains, glazes, toners are used, these products must be completely **dry/cured** per stain manufacturer's recommendation before applying Contractors 680 Lacquer Sealer or Finishes.

102 – 30X Contractors 680 Lacquers continued

APPLICATION continued

WOOD SURFACES:

Apply Simpson Coatings Contractors 680 Lacquer Sanding Sealer and Finishes with Professional Airless, Conventional and HVLP Spray Technology. Apply one coat of Simpson Coatings Contractors 680 Sanding Sealer #102–302 @ 3.5 to 5.3 mils wet to achieve 0.5 to 0.75 mils dry film thickness, allowing 30 to 60 minutes dry time to recoat. Inspect surface for any raised fibers or imperfections. Sand lightly any imperfect areas. Apply first coat of Simpson Coatings Contractors 680 Lacquer Finishes #102–30X at 3.0 to 5.3 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 10 to 12 hours for light traffic use, a full 24 to 48 hours cure time for heavy traffic use.

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 the Contractors 680 Lacquers #102–30X at 0.5 to 0.75 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, a 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

AIR ATOMIZED/AIRLESS SPRAY:

Contractors 680 Lacquer Sealer and Finishes should be applied with Professional Airless, Conventional, or HVLP Spray Technology.

102-30X Contractors 680 Lacquers "Solvent Base" Technical Data/Physical Properties

Resin Type: Alkyd 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.
102-301 Contractors 680 Gloss Lacquer		23.9-25.9%	17.9-19.9%	80+	25-30 Sec. #4 Ford	7.0-7.6	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-302 Contractors 680 Sanding Sealer Lacquer		20.9-22.9%	13.7-15.7%	Flat	18-22 Sec. #4 Ford	7.0-7.6	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-303 Contractors 680 Semi-Gloss Lacquer		20.6-22.6%	15.0-17.0%	40-60	25-30 Sec. #4 Ford	6.9-7.5	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-304 Contractors 680 Flat Lacquer		21.2-23.2%	15.3-17.3%	15 Max	25-30 Sec. #4 Ford	7.0-7.6	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-307 Contractors 680 Satin Lacquer		20.9-23.0%	15.2-17.1%	21-27	25-30 Sec. #4 Ford	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, expressed or implied, concerning this material except that it conforms to Simpson Coatings quality control standards. Any liability whatsoever of Simpson Coatings Group