



PRODUCT DATA

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MAR-PROOF 680 LACQUER FINISH "FURNITURE FINISH"

PRODUCT CODE: 102 – 11X

PRODUCT DESCRIPTION: Mar-Proof 680 Lacquer Sealers and Finishes are high solid, nitrocellulose Lacquers that have high film build with excellent flowing qualities. These products are uniquely formulated to require minimal sanding sealer and less sanding in between coats. These Lacquer Sealer/Finish Systems when used in tandem with Simpson Coatings Stains, **provides a top-line heat/mar resistant finish system that is impervious to water, detergent, alcohol and is resistant to common food stain substances such as mustard and catsup.**

INTENDED USE: Mar-Proof 680 Lacquer Sealer and Finishes are designed to be used for professional application over **fine furniture, kitchen and bathroom cabinetry, wood paneling, interior wood doors and trim, or any decorative interior wood fixture such as stair rails and spindles, fashionable wood moldings and accents, that requires a High Durable Mar/Impact Resistant Finish.** Mar-Proof is available in a sanding sealer and four different gloss finishes, and is packaged in five gallon and one gallon containers.

102 – 111
Sanding Sealer

102 – 112
Gloss

102 – 113
Semi – Gloss

102 – 117
Satin

102 – 114
Flat

NOTE: Mar-Proof Sealer/Finishes are not recommended for use over Whites, 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. Rinse thoroughly and allow the surface 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 – 11X Mar-Proof 680 Lacquer Finish 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 Stain/Woodtone Sealers. Apply one coat of Simpson Coatings Stains/Woodtone Sealers without thinning. Allow 30 to 45 minutes drying time before recoating with Simpson Coatings Mar-Proof 680 Sanding Sealer #102–111.

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 scuffed/sanded for maximum adhesion. For previously coated surfaces, a test patch of The Simpson Coatings 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 the 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.

APPLICATION

Estimation of practical coverage of this product can be variable and is completely dependent on application technique i.e., (determine the 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 finishing coat.

Simpson Coatings Mar-Proof 680 Lacquer Sealer/Finishes are designed for use over Simpson Coatings Stains/Wood Tone Sealers. If other manufacturer's conventional oil stains or other type of stains, glazes, toners are used, these products must be thoroughly dry/cured per the manufacturer's recommendation before applying the Mar-Proof 680 Lacquer Sealer/Finishes.

102 – 11X Mar-Proof 680 Lacquer Finish continued

APPLICATION continued

WOOD SURFACES:

Apply Simpson Coatings Mar-Proof 680 Lacquer Sanding Sealers and Finishes with Professional Airless, Conventional, or HVLP Spray Technology. Apply one coat of Simpson Coatings Mar-Proof 680 Sanding Sealer #102-111 @ 2.9 to 4.4 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 Mar-Proof 680 #102-11X Lacquer Finishes at 2.2 to 3.8 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 36 hours cure time

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 application only.

SPRAY:

Mar-Proof 680 Furniture Lacquer Sealers and Finishes can be applied by Professional Airless, Conventional, or HVLP Spray Technology.

102-11X Mar-Proof 680 Lacquer Finish 'Furniture Finish' 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.
102-111 Mar-Proof 680 Sanding Sealer Lacquer		24.1-26.1%	17.0-19.0%	Flat	30-35 Sec. #4 Ford	7.3-7.9	0.5-0.75 mils	2.2-3.8 mils	230-300sq. ft.	275-325 sq. ft.
102-112 Mar-Proof 680 Gloss Lacquer		26.4-28.4%	19.6-21.6%	80+	30-35 Sec. #4 Ford	7.4-8.0	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-113 Mar-Proof 680 Semi-Gloss Lacquer		26.4-28.4%	19.6-21.6%	40-60	30-35 Sec. #4 Ford	7.4-8.0	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-114 Mar-Proof 680 Flat Lacquer		26.0-28.0%	18.8-20.8%	15 Max	30-35 Sec. #4 Ford	7.5-8.0	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-117 Mar-Proof 680 Satin Lacquer		26.1-28.1%	19.0-21.0%	21-27	30-35 Sec. #4 Ford	7.4-8.0	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: 10-15 Minutes

Handle: 15-30 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 representation, expressed or implied, concerning this material except that it conforms to Simpson Coatings quality control standards. Any liability whatsoever of Simpson Coatings Group