



PRODUCT DATA

111 South Maple Avenue, South San Francisco, CA 94080

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

MAR-PROOF 550 LACQUER FINISH "FURNITURE FINISH"

PRODUCT CODE: 102-51X

PRODUCT DESCRIPTION: Mar-Proof 550 Lacquer Sanding Sealer and Finishes are premium quality, high solid, nitrocellulose Lacquers that have been specifically formulated to meet the requirements of the newly adopted 550 V.O.C. Air Quality Rules/Regulations for **Architectural/Wood Coatings**. These products are uniquely designed to produce a high solids "Water White" completely clear (no amber tone) film with excellent following qualities, while requiring minimal sanding sealer with 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 550 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 550 Products are available in four different Gloss Finishes, packaged in five gallon and one gallon containers.

102 - 511
Sanding Sealer

102 - 512
Gloss

102 - 513
Semi-Gloss

102 - 517
Satin

102 - 514
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.

102 – 51X Mar – Proof 550 Lacquer Finish cont. . . .

SURFACE PREPARATION continued

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 applying any coating.

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 Coating Stains or Lacquer Sealers. Apply one coat of Simpson Coatings Stain/Woodtone Sealers without thinning, allowing the surface setting time for the Stain/Woodtone Sealer to uniformly develop itself. Allow 30 to 45 minutes drying time before applying the Simpson coatings Mar–Proof 550 Sanding Sealer #102– 511.

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 sanded and dulled for maximum adhesion. For previously coated surfaces, a test patch of the Simpson Coatings 550 Mar–Proof 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.

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 Mar–Proof 550 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 550 Lacquer Sealers/Finishes.

102 – 51X Mar Proof 550 Lacquer Finish cont. . . .

APPLICATION continued

WOOD SURFACES:

Apply Simpson Coatings Mar–Proof 550 Lacquer Sanding Sealer and Finishes with Professional Airless, Conventional or HVLP Spray Technology. Apply one coat of Simpson Coatings Mar–Proof 550 Sanding Sealer #102 – 511 @ 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 550 #102 – 51X 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, and a minimum of 24 to 32 hours of cure time 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

BRUSH/ROLLER:

Not Recommended.

SPRAY:

Mar – Proof 550 Lacquer Sealers and Finishes can be applied by Professional Airless, Conventional, and HVLP Spray Technology.

102-51X Mar-Proof 550 Lacquer Finish "Furniture Finish" Technical Data/Physical Properties

Resin Type: Nitrocellulose Lacquer
Solvents: Acetone, Alcohols, Aliphatic & aromatic Hydrocarbons, Esters, Glycol Ethers & 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)
102-511 Mar-Proof 550 Sanding Sealer Lacquer	24.3-26.3%	16.7-18.7%	Flat	30-35 Sec #4 Ford	7.2-7.8	0.5-0.75 mils	2.2-3.8 mils	230-300sq. ft.	275-325 sq. ft.
102-512 Mar-Proof 550 Gloss Lacquer	25.7-27.7%	17.9-19.9%	80+	30-35 Sec #4 Ford	7.3-7.9	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-513 Mar-Proof 550 Semi-Gloss Lacquer	25.8-27.8%	18.0-20.0%	40-60	30-35 Sec #4 Ford	7.3-7.9	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-514 Mar-Proof 550 Flat	26.3-28.3%	18.2-20.2%	15 Max	30-35 Sec #4 Ford	7.3-7.9	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-517 Mar-Proof 550 Satin Lacquer	26.2-28.2%	18.2-20.2%	21-27	30-35 Sec #4 Ford	7.3-7.9	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: 24-32 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.