



PRODUCT DATA

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MAR - PROOF 550 PRECATALYZED LACQUERS "SOLVENT BASE"

PRODUCT CODE: **102 - 59X**

PRODUCT DESCRIPTION: Mar-Proof 550 Precatalyzed Lacquers are extremely durable single component self-sealing, modified nitrocellulose finishes that meet or exceed the rigid performance standards of the National Kitchen Cabinet Association (N.K.C.A.). They are specifically formulated to meet the requirements of the Architectural/Wood Product Coatings Rules/Regulations and V.O.C. Emission Schedules in the various marketed Air Quality Districts. Using these Lacquer Products in tandem with Simpson Coatings non-Stearated Clear Vinyl Sanding Sealer #103-111C or Single Component 550 Vinyl Sanding Sealer #103-881, clearly provides the ultimate moisture resistant wood finishing system that has true "Water White" color clarity (non amber tone), with an exceptional level of resistance to harsh chemicals/solvents, abrasion and alkali.

INTENDED USE: Mar-Proof 550 Precatalyzed Lacquers are formulated for use on all types of **Interior Wood Products** such as **Kitchen Cabinets, Furniture, Mill Work, Doors, Decorative Trim/Molding and Paneling** or anywhere a hard abrasion and moisture resistant finish is desired. Mar-Proof 550 Precatalyzed Lacquers are available in four different Gloss Finishes, packaged in Five Gallon and One Gallon containers.

**102 - 592
Gloss**

**102 - 593
Semi-Gloss**

**102 - 597
Satin**

**102 - 594
Flat**

NOTE:

Simpson Coatings Mar-Proof 550 Precatalyzed Lacquers are self-sealing finishes and are not recommended for use over conventional Stearated Sanding Sealers/Finishes.

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:

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.

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 the surface to dry before applying the Mar–Proof 550 Precatalyzed Lacquer Finish #102–59X.

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 vacuum prior to coating with Simpson Coatings Stains or Vinyl Sanding Sealer. Apply one coat of Simpson Coatings Stain/Woodtone Sealer without thinning, allowing 3 to 5 minutes 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 Precatalyzed Lacquer #102–59X. Apply a wet cross coat of Precatalyzed Lacquer #102–59X as a seal coat allowing 30 to 60 minutes dry time between each coat.

NOTE:

For those wood substrates that are more opened grain in texture, have soft grain porosity or for increasing moisture resistance in the finish, it is recommended to apply one coat of Simpson Coatings Vinyl Sanding Sealer #103–111, catalyzed, (4oz. of Vinyl Sanding Sealer Catalyst #103–111B to one gallon of #103–111A) or the 550 Single Component Vinyl Sanding Sealer #103–881 as a seal coat, allowing 30 to 60 minutes dry time prior to sanding.

PREVIOUSLY COATED SURFACES

ALL PREVIOUSLY COATED SURFACES:

Clean thoroughly as directed for all surfaces. Remove all loose peeling paint and chalk oxidation by sanding or pressure washing. All surfaces that have sheen should be sanded to a dull finish to insure maximum adhesion. All previously coated surfaces must be coated with a **Non–Stearated Clear Sanding Sealer for those surfaces that will be coated with the Mar–Proof 550 Precatalyzed Lacquer Finishes i.e., (#103–111C Clear Vinyl Sanding Sealer or 550 Single Component Vinyl Sanding Sealer #103–881).** A test patch of these products over the previous coating 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.

102 – 59X Mar–Proof 550 Precatalyzed Lacquer cont. . . .

APPLICATION continued

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 Precatalyzed Lacquer Finishes are designed for use over Simpson Coatings Stains/Woodtone 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 Mar–Proof 550 Precatalyzed Lacquer Finishes.

NOTE:

Do Not Exceed 2 coats of Mar–Proof 550 Precatalyzed Lacquer Finish @ 3.1–4.6 mils wet to achieve 0.5–0.75 mils dry film thickness over one seal coat.

WOOD SURFACES:

Apply Simpson Coatings Mar–Proof 550 Precatalyzed Lacquer with Professional Airless, Conventional or HVLP Spray Technology. Apply one coat Simpson Coatings Mar–Proof 550 Precatalyzed Lacquer #102–59X as a seal coat at 3.1 to 4.6 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 second coat allowing 10 to 12 hours dry time for light traffic use, a full 24 to 48 hours cure time for heavy traffic use.

PREVIOUSLY COATED SURFACES:

As directed in surface preparation, a test patch of the Mar–Proof 550 Precatalyzed Lacquer Finish is recommended. If no lifting occurs, apply two coats of the Mar–Proof 550 Precatalyzed Lacquer Finish #102–59X 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 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 application only.

SPRAY:

Mar–Proof 550 Precatalyzed Lacquers can be applied Professional Airless, Conventional or HVLP Spray Technology.

SHELF LIFE/STORAGE:

Mar–Proof 550 Precatalyzed Lacquers should be limited in stock due to shelf life (**maximum of six months storage @ 77°F**).

102-59X Mar-Proof 550 Precatalyzed Lacquers "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. |
| 102-592 Mar-Proof 550 Precatalyzed Gloss Lacquer | 18.1-20.1% | 12.1-14.1% | 80+ | 25-30 Sec. #2 Zahn | 6.8-7.4 | 0.5-0.75 mils | 2.2-3.8 mils | 230-300sq. ft. | 275-325 sq. ft. | |
| 102-593 Mar-Proof 550 Precatalyzed Semi-Gloss Lacquer | 20.2-22.2% | 13.8-15.8% | 45-50 | 25-30 Sec. #2 Zahn | 6.9-7.5 | 0.5-0.75 mils | 2.2-3.8 mils | 230-300 sq. ft. | 275-325 sq. ft. | |
| 102-594 Mar-Proof 550 Precatalyzed Flat Lacquer | 20.2-22.2% | 13.8-15.8% | 15 Max | 25-30 Sec. #2 Zahn | 6.9-7.5 | 0.5-0.75 mils | 2.2-3.8 mils | 230-300 sq. ft. | 275-325 sq. ft. | |
| 102-597 Mar-Proof 550 Precatalyzed Satin Lacquer | 20.0-22.2% | 13.8-15.8% | 21-27 | 25-30 Sec. #2 Zahn | 6.9-7.5 | 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: 24-32 Hours

SPECIAL INSTRUCTIONS: DO NOT APPLY MORE THAN 2 COATS OVER THE SEAL COAT OR CRACKING MAY OCCUR.

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