



PRODUCT DATA

111 South Maple Avenue, South San Francisco, CA 94080

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680 PIGMENTED LACQUERS "SOLVENT BASE"

PRODUCT CODE: 102 – 02X

PRODUCT DESCRIPTION: Pigmented Lacquers are premium quality, high hiding, pigmented nitrocellulose finishes that dry rapidly, creating a tough, mar resistant finish with excellent color and gloss retention.

INTENDED USE: Designed for professional spray application, pigmented lacquers have excellent build and adhesion to **interior wood**. They are highly recommended for **finishing wood/furniture, cabinets and paneling, doors, and ornamental woodwork**.

Pigmented Lacquers are available in two colors, Black, and a White that is suitable for tinting **Light/Pastel colors up to 6 ounces of colorant**, in four different gloss finishes. Pigmented Lacquers are packaged in 5 gallon and 1 gallon containers.

102 – 021 Gloss White	102 – 022 Gloss Black	102 – 023 Semi-Gloss White	102 – 024 Semi-Gloss Black
102 – 025 Flat White	102 – 026 Flat Black	102 – 027 Satin White	102 – 028 Satin Black

RECOMMENDED PRIMERS

WOOD SURFACES: Interior Simpson Coatings White Lacquer Undercoat #102-011.
Interior Simpson Coatings White H.B. Lacquer Undercoat #102-012.
Interior Simpson Coatings Alkyd Lacquer Undercoat #102-013.
Interior Simpson Coatings White Lacquer Undercoat #102-308.

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. commercial cleaner or 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 recoating.

102-02X 680 PIGMENTED LACQUERS CONT

SURFACE PREPARATION continued

NEW SURFACES

NEW WOOD SURFACES:

Where appropriate, sand the surface smoothly with 180 grit or finer sand paper prior to priming or sealing. All nails should be set below the surface. If a smooth surface is desired, the nail holes must be puttied. Dust and sand residue should be removed with a clean cotton cloth or vacuumed prior to coating with Simpson Coatings Lacquer Undercoat #102-01X. **Do Not Use Tack Rags for cleaning the surface in between applications.** Apply one coat of Simpson Coatings Lacquer Undercoat. Allow one-hour dry time before recoating with Simpson Coatings Lacquer Finishes.

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. Glossy surfaces should be dulled by sanding for maximum adhesion. For previously coated surfaces a test patch of the Simpson Coatings Lacquer Undercoater is recommended. If lifting or wrinkling occurs, refrain from using the Pigmented Lacquer System and begin removing the old finish by either power sanding or using a paint/varnish remover, then treat as a new surface.

PREVIOUSLY COATED WOOD SURFACES:

Clean thoroughly as directed above for all previously coated surfaces. Perform the test patch as recommended. If the Lacquer Undercoater does not lift the previous coating, apply one coat of Simpson Coatings Lacquer Undercoater #102-01X. Allow the Lacquer Undercoat to dry 4 to 6 hours before recoating with Simpson Coatings Lacquer Finishes.

APPLICATION

Estimation of practical coverage of this product can be variable and is completely dependent of application technique i.e., (determine amount of wet film thickness application to achieve dry film thickness) and 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.

102-02X 680 PIGMENTED LACQUER cont

APPLICATION continued

WOOD SURFACES: Apply Simpson Coatings Pigmented Lacquer Finishes with Professional Airless, Conventional or HVLP Spray Technology. Apply one coat of the Lacquer Undercoater #102-01X at 5.5 to 7.0 mils wet to achieve 1.5 to 2.0 mils dry film thickness, allowing 4 to 6 hours dry time to recoat. Inspect surface for any raised fibers or imperfections. Sand lightly any imperfect areas. Apply first coat of Simpson Coatings Pigmented Lacquer Finishes #102-02X at 2.5 to 5.1 mils wet to achieve 0.5 to 1.0 mils dry film thickness. Allow 15 to 30 minutes dry time to recoat. Repeat finish coat application as necessary to achieve desired build and finish. Allow final coat of the Lacquer Finish to dry 16 to 24 hours for light traffic use, a full 24 to 48 hours 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:

Pigmented Lacquer Finishes can be applied by Conventional, Airless or HVLP Spray Technology.

102-02X Pigmented Lacquers "Solvent Base" Technical Data/Physical Properties

Resin Type: Nitrocellulose Lacquer
Solvents: Aliphatic & Aromatic Hydrocarbons, Alcohols, Esters, Glycol Ethers & Ketones
Coatings V.O.C. < 600 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.
102-021 Gloss White Lacquer	10.5-11.1 %	36.2-38.2%	23.5-25.5%	80+	70-80 KU	7.9-8.3	0.5-0.75 mils	2.2-3.8 mils	230-300sq. ft.	275-325 sq. ft.
102-022 Gloss Black Lacquer	1.7-2.3%	29.9-31.9%	21.7-23.7%	75+	70-80 KU	7.2-7.8	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-023 Semi-Gloss White Lacquer	12.4-13.0%	39.0-41.0%	25.2-27.2%	40-60	72-82 KU	8.0-8.6	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-024 Semi-Gloss Black Lacquer	1.7-2.3%	28.8-30.8%	20.7-22.7%	40-60	72-80 KU	7.1-7.7	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: 5-10 Minutes

Handle: 10-15 Minutes

Sand/Recoat: 15-30 Minutes

Full Dry/Cure: 16-24 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.

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Coatings V.O.C. < 600 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.
102-025 Flat White Lacquer	24.2-24.8%	48.0-50.0%	30.5-32.5%	Flat	70-80 KU	8.9-9.3	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-026 Flat Black Lacquer	11.7-12.3%	28.5-30.5%	17.0-19.0%	Flat	70-80 KU	7.6-8.2	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-027 Satin White Lacquer	19.0-19.6%	44.8-46.8%	29.0-31.0%	21-27	70-80 KU	8.6-9.2	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-028 Satin Black Lacquer	10.3-10.9%	37.5-39.5%	25.8-27.8%	21-27	70-80KU	7.8-8.4	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: 5-10 Minutes

Handle: 10-15 Minutes

Sand/Recoat: 15-30 Minutes

Full Dry/Cure: 16-24 Hours

Special instructions:

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