



PRODUCT DATA

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550 PIGMENTED LACQUERS "SOLVENT BASE"

PRODUCT CODE: **102 – 7XX**

PRODUCT DESCRIPTION: 550 Pigmented Lacquers are premium quality, high hiding, pigmented nitrocellulose lacquer finishes that have been specifically formulated to meet the newly adopted 550 V.O.C. Air Quality Rules/Regulation requirements for Architectural/Wood Coatings. These rapidly drying lacquer finishes are designed for the professional/commercial wood coatings applicators that require the finish to be tough, mar resistant with excellent color and gloss retention.

INTENDED USE: Designed for professional spray application, 550 Pigmented Lacquers have excellent build and adhesion qualities for a variety of interior wood substrates. They are highly recommended for finishing **wood furniture, cabinets, paneling, doors/trim, decorative molding and musical instruments**. The 550 Pigmented Lacquers are available in two Ready-Mix Colors, **White** and **Black** in four different Gloss Finishes.

In addition, Simpson Coatings features three Pigmented Tint Bases in these 4 different Gloss Finishes i.e., **550 White & Pastel Tint Base**, for tinting pastel colors, using up to 4 ounces of colorant per gallon, **550 Pigmented Deeptone Base**, for tinting midtone deep colors, using up to 8 ounces of colorant per gallon and **550 Pigmented Masstone Base** for tinting Ultra Deep Colors, using up to 16 ounces of colorant per gallon. The 550 Pigmented Lacquer Ready Mix colors and 550 Pigmented Lacquer Tint Bases are all packaged in five and one gallon containers.

NOTE: Simpson Coatings 550 Pigmented Lacquer Tint Bases have been formulated/designed to be used with the Creanova Inc., Chroma-Chem 844 Industrial Colorant System. For best results in gloss/color retention, tint control, the Chroma-Chem 844 Industrial Colorant System or and equivalent Non-Aqueous Industrial Tint System should be used when tinting Simpson Coatings 550 Pigmented Lacquer Tint Bases.

102 – 720 Gloss White Lacquer Tint Base	102 – 730 Semi-Gloss White Lacquer Tint Base	102 – 740 Satin White Lacquer Tint Base	102 – 750 Flat White Lacquer Tint Base
102 – 721 Gloss Lacquer Deeptone Base	102 – 731 Semi-Gloss Lacquer Deeptone Base	102 – 741 Satin Lacquer Deeptone Base	102 – 751 Flat Lacquer Deeptone Base
102 – 722 Gloss Lacquer Masstone Base	102 – 732 Semi-Gloss Lacquer Masstone Base	102 – 742 Satin Lacquer Masstone Base	102 – 752 Flat Lacquer Masstone Base
102 – 726 Gloss Black Lacquer	102 – 736 Semi-Gloss Black Lacquer	102 – 746 Satin Black Lacquer	102 – 756 Flat Black Lacquer

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.

RECOMMENDED PRIMERS

WOOD SURFACES: Interior: Simpson Coatings 550 White Pigmented Lacquer Undercoat #102-551.
Interior: Simpson Coatings Vinyl Sanding Sealer #103-111C.
Interior: Simpson Coatings Black Fill Coat #102-348.
Interior: Simpson Coatings ESL White Undercoat #119-011P.
Interior: Simpson Coatings 550 Contractors White Lacquer Undercoat #102-408.
Interior: Simpson Coatings 550 Single Component Vinyl Sanding Sealer #103-881.

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 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.

NEW SURFACES

NEW WOOD SURFACES: Where appropriate, sand the surface smoothly with 180 grit or finer sandpaper 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 550 Lacquer Undercoat/Sealer. Apply one coat of Simpson Coatings Lacquer Undercoat/Sealer. Allow one-hour dry time before recoating with Simpson Coatings 550 Pigmented 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 550 Lacquer Undercoat/Sealer is recommended. If lifting or wrinkling occurs, refrain from using the 550 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 previously coated surfaces. Perform the test patch as recommended. If the Lacquer Undercoat/Sealer does not lift the previous coatings, apply one coat of Simpson Undercoat/Sealer. Allow the Lacquer Undercoat/Sealer 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 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.

WOOD SURFACES:

Apply Simpson Coatings 500 Pigmented Lacquer Finishes #102-7XX with professional airless or conventional and H.V.L.P. spray technology. Apply one coat of the 550 Lacquer Undercoat/Sealers at 5.5 to 7.0 mils wet to achieve 1.5 to 2.0 mils dry film thickness, allowing 2 to 4 hours dry time to recoat. Inspect surface for any raised fibers or imperfections. Sand lightly any imperfect areas. Apply first coat of Simpson Coatings 550 Pigmented Lacquer Finish #102-7XX at 3.5 to 6.0 mils wet to achieve 1.0 to 1.5 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 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:

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

102-7XX 550 Pigmented Lacquers "Solvent Base" 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)	Theoretical Coverage @ 1 mil D.F.T.
102-720 550 Gloss White Lacquer & Tint Base	14.3-14.9%	40.8-42.8%	25.7-27.7%	80+	65-70 KU	8.5-9.1	0.5-0.75 mils	2.2-3.8 mils	230-300sq. ft.	275-325 sq. ft.
102-721 550 Gloss Lacquer Deepstone Base	7.7-8.3%	35.0-37.0%	22.7-24.7%	80+	65-70 KU	7.9-8.5	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-722 550 Gloss Lacquer Masstone Base	1.4-2.0%	30.4-32.4%	21.8-23.8%	80+	65-70 KU	7.4-8.0	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-726 550 Gloss Black Lacquer	14.5-15.1%	31.3-33.3%	23.6-25.6%	80+	65-70 KU	7.3-7.9	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-730 550 White Semi-Gloss Lacquer & Tint Base	7.9-8.5%	41.0-43.0%	25.9-27.9%	40-55	65-70 KU	8.5-9.1	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-731 550 Semi-Gloss Lacquer Deepstone Base	7.9-8.5%	35.1-37.1%	22.9-24.9%	40-55	65-70 KU	7.9-8.5	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-732 550 Semi-Gloss Lacquer Masstone Base	4.7-5.3%	30.2-32.2%	21.6-23.6%	40-55	65-70 KU	7.4-8.0	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-736 550 Semi-Gloss Black Lacquer	4.7-5.3%	32.2-34.2%	23.1-25.1%	40-55	65-70 KU	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: 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

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102-7XX 550 Pigmented Lacquers "Solvent Base" Technical Data/Physical Properties

Resin Type: Nitrocellulose Lacquer
Solvents: Acetone, Alcohols, Aliphatic & Aromatic Hydrocarbons, Esters, Glycol Ethers & Ketones
Coatings V.O.C. < 550G/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.
102-740 550 Satin White Lacquer & Tint Base	14.6-15.2%	41.1-43.1%	25.9-27.9%	21-27	65-70 KU	8.5-9.1	0.5-0.75 mils	2.2-3.8 mils	230-300sq. ft.	275-325 sq. ft.
102-741 550 Satin Lacquer Deepstone Base	8.0-8.6%	35.2-37.2%	22.9-24.9%	21-27	65-70 KU	8.0-8.6	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-742 550 Satin Lacquer Masstone Base	7.0-7.6%	30.3-32.3%	21.6-23.6%	21-27	65-70 KU	7.4-8.0	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-746 550 Satin Black Lacquer	14.7-15.3%	41.1-43.1%	26.0-28.0%	15 Max	65-70 KU	7.6-8.2	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-751 550 Flat White Lacquer & Tint Base	8.1-8.7%	35.3-37.3%	22.9-24.9%	15 Max	65-70 KU	8.0-8.6	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-752 550 Flat Lacquer Deepstone Base	11.7-12.3%	29.5-31.5%	17.9-19.9%	15 Max	65-70 KU	7.4-8.0	0.5-0.75 mils	2.2-3.8 mils	230-300 sq. ft.	275-325 sq. ft.
102-756 550 Flat Black Lacquer										

Dry times @ 77° F and 80% 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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