



PRODUCT DATA

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CAB ACRYLIC CLEAR AND PIGMENTED LACQUERS "SOLVENT BASE CELLULOSE ACETATE BUTYRATE"

PRODUCT CODE: 103 – 1XX

PRODUCT DESCRIPTION: Cellulose Acetate Butyrate (CAB) Acrylic Clear and Pigmented Lacquers are extremely durable self-sealing finishes, specifically designed to meet the performance demands of the Water-White/Non-Yellowing Furniture, Kitchen Cabinet, and Wood Finishing Markets. This line of Lacquer Finishes represent a superior chemical composition of Lacquer that is more resistant to yellowing, are non-photo chemically reactive, and meets or exceeds the rigid performance standards of the National Kitchen Cabinet Association (N.K.C.A.).

INTENDED USE: CAB Acrylic Lacquers are formulated for use on all types of Interior Wood Products such as: **Kitchen Cabinets, Fine Furniture, Mill Work, Doors, Paneling, Decorative Molding or anywhere a Hard, Durable, "Water-White" Abrasion Resistant Finish is desired.** The Clear CAB Acrylic Lacquer Finishes are purposely designed as a **Clear Non-Yellowing Top-Coat Finish over "White", "Light Raw Wood", or "Light Pastel Stains, Toners, and Glazes", where non-yellowing properties are required.** Used in tandem with Simpson Coatings Stains/Lacquer Sealers or as a "scuff coat finish" directly over solid color lacquers, these products are clearly the ultimate Professional Wood Finish System for film clarity and color retention. CAB Acrylic Clear and Pigmented Lacquers are available in four different Sheen Finishes and are packaged in five gallon and one gallon containers.

NOTE: Simpson Coatings CAB Acrylic Clear Lacquers are Self-Sealing Finishes and are not recommended for use over Conventional Stearated Sanding Sealer/Finishes.

CLEAR CAB ACRYLIC LACQUER FINISHES

103 – 112
Gloss

103 - 113
Semi-Gloss

103 – 117
Satin

103 – 114
Flat

PIGMENTED CAB ACRYLIC LACQUER FINISHES

103 – 121
Gloss White

103 – 123
Semi-Gloss White

103 – 127
Satin White

103 – 124
Flat White

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.

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.

103-1XX CAB Acrylic Clear and Pigmented Lacquer continued

SURFACE PREPARATION continued

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 V.O.C. compliant commercial cleaner/degreaser. Rinse thoroughly and allow the surface to completely 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 the surface to dry before applying the Sanding Sealers/Finishes.

NEW SURFACES

NEW WOOD SURFACES: Where appropriate, sand the surface smoothly with 180 grit or finer sandpaper prior to staining or sealing. **Do Not Use Tack Rags.** Dust and sand residue should be removed with a clean cotton cloth or vacuumed prior to coating with Simpson Coatings Stains/Woodtone Sealers or Vinyl Sanding Sealers. Apply one coat of Simpson Coatings Stains 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 CAB Acrylic Clear and Pigmented Lacquer Finishes #103-1XX or Vinyl Sanding Sealer. Apply one wet cross coat of CAB Acrylic Lacquer Finish or Vinyl Sanding Sealer 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 a minimum one coat of Simpson Coatings Vinyl Sanding Sealer #103-111A, catalyzed, (4oz. of Vinyl Sanding Sealer Catalyst #103-111B to one gallon of Vinyl Sanding Sealer #103-111A) or the 550 Single Component Vinyl Sanding Sealer #103-881 as a seal coat, allowing 30 to 60 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 substrate 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 Clear Cab Acrylic Lacquer Finishes i.e., (#103-111C Clear Vinyl Sanding Sealer, #103-881 550 V.O.C. Single Component Clear Vinyl Sanding Sealer, or #102-440 Non-Stearated 550 Clear Nitrocellulose Sanding Sealer).** The #102-470 550 Non-Stearated White Lacquer Undercoat should be used on previously coated surfaces that will be finished coated with the Pigmented CAB Acrylic Lacquer Finishes. A test patch of these products over the previous coating is recommended. If lifting or wrinkling occurs, refrain from using these finishing systems. 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.

103-1XX CAB Acrylic Clear and Pigmented Lacquer continued

APPLICATION continued

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 CAB Acrylic 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, they all must be thoroughly dry/cured per the manufacturer's recommendation before applying the CAB Acrylic Clear Lacquer Finishes.

Note: DO NOT EXCEED 2 coats of the CAB Acrylic Lacquer Finishes @ 2.7 to 3.9 mils wet to achieve 0.5 to .75 mils dry film thickness over one self-seal coat.

WOOD SURFACES:

Apply Simpson Coatings CAB Acrylic Clear Lacquer with Professional Airless, Conventional or HVLP Spray Technology. Apply one coat of Simpson Coatings CAB Acrylic Clear and Pigmented Lacquer #103-1XX as a seal coat at 2.7 to 3.9 mils wet to achieve 0.5 to 0.75 mils dry film thickness, allowing 30 to 60 minutes dry time to sand/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 dry time for moderate traffic, a full 7 to 10 day dry/cure time for heavy traffic use.

PREVIOUSLY COATED SURFACES:

As directed in surface preparation, a test patch of the CAB Acrylic Lacquer Finish is recommended. If no lifting occurs, apply two coats of CAB Acrylic Lacquer Finish #103-1XX at 0.5 to 0.75 mils dry film thickness. Allow 30 to 60 minutes dry time to sand/recoat. A 10 to 12 hour dry time must be allowed for light traffic use, a full 24 to 48 hour dry time for moderate traffic, a full 7 to 10 day dry/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 Application only.

SPRAY:

CAB Acrylic Clear and Pigmented Lacquer Finishes can be applied by Professional Airless, Conventional or HVLP Spray Technology.

103-1XX CAB Acrylic Clear and Pigmented Lacquers Technical Data/Physical Properties

Resin Type: Cellulose Acetate Butyrate-Acrylic
Solvents: Alcohols, Aliphatic & Aromatic Hydrocarbons & 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)
103-112 CAB Acrylic Clear Gloss Lacquer	20.3-22.3	15.4-17.4	80+	25-27 Sec. #4 Ford	7.1-7.7	0.5-0.75 mils	2.7-3.9 mils	220-260sq. ft.	260-300 sq. ft.
103-113 CAB Acrylic Clear Semi-Gloss Lacquer	21.0-23.0	16.0-18.0	40-60	25-27 Sec. #4 Ford	7.1-7.7	0.5-0.75 mils	2.7-3.9 mils	220-260 sq. ft.	260-300 sq. ft.
103-114 CAB Acrylic Clear Flat Lacquer	23.5-25.5	17.7-19.7	15 Max	25-27 Sec. #4 Ford	7.2-7.8	0.5-0.75 mils	2.7-3.9 mils	220-260 sq. ft.	260-300 sq. ft.
103-117 CAB Acrylic Clear Satin Lacquer	23.0-25.0	17.7-19.7	21-27	25-27 Sec. #4 Ford	7.2-7.8	0.5-0.75 mils	2.7-3.9 mils	220-260 sq. ft.	260-300 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: 7-10Days

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.

103-1XX CAB Acrylic Clear and Pigmented Lacquers Technical Data/Physical Properties

Resin Type: Cellulose Acetate Butyrate-Acrylic
Solvents: Alcohols, Aliphatic & Aromatic Hydrocarbons & 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.
103-121 CAB Acrylic Lacquer Gloss White	15.0-17.0	35.0-37.0	21.0-23.0	80+	30-35 Sec. # 4 Ford	8.2-8.8	0.5-0.75 mils	2.7-3.9 mils	280-320 sq. ft.	335-375 sq. ft.
103-123 CAB Acrylic Lacquer Semi-Gloss White	15.8-17.8	36.0-38.0	21.5-23.5	40-60	30-35 Sec. # 4 Ford	8.3-8.9	0.5-0.75 mils	2.7-3.9 mils	280-320 sq. ft.	335-375 sq. ft.
103-125 CAB Acrylic Lacquer Flat White	15.8-17.8	35.5-37.5	21.0-23.0	15 Max	30-35 Sec. # 4 Ford	8.3-8.9	0.5-0.75 mils	2.7-3.9 mils	280-320 sq. ft.	335-375 sq. ft.
103-127 CAB Acrylic Lacquer Satin White	15.7-17.7	35.3-37.3	21.0-23.0	21-27	30-35 Sec. # 4 Ford	8.3-8.9	0.5-0.75 mils	2.7-3.9 mils	280-320 sq. ft.	335-375 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: 7-10Days

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