



TECHNICAL DATA

BIN-03

B-I-N® SHELLAC-BASE PRIMER ULTIMATE STAIN BLOCKER

DESCRIPTION AND USES

Zinsser® B-I-N® Shellac-Base Primer is a primer-sealer/stain killer/bond coat recommended for application to interior ceilings, walls, doors, trim, cabinets, furniture and related paintable surfaces. Exterior uses are limited to spot priming only. May be used to block water, grease, rust, smoke, asphalt, graffiti, and many other types of stains.

INTERIOR

Apply to new and previously painted drywall, plaster, wood (pine, fir, cedar, redwood, plywood), metal (aluminum, stainless steel, galvanized metal), vinyl, PVC, fiberglass and masonry (stucco, concrete block, concrete, brick). For exterior surfaces, apply to new or previously painted wood (pine, fir, Cedar, Redwood, T-111, plywood, pressure-treated wood), hardboard, glass, metal (aluminum, stainless steel galvanized metal), PVC, rigid plastics, aluminum and vinyl siding, fiberglass and masonry (stucco, concrete block, concrete, brick). Blocks stains and odors resulting from water & fire damage, seals stains from dark colors, grease, rust, creosote, asphalt, crayon, lipstick, graffiti, markers, knots, sap streaks, tannin bleed, etc.

EXTERIOR

Use B-I-N Shellac-Base Primer to spot prime persistent bleed from knots and sap streaks before full surface priming with a water-based or oil-based primer.

SEALING

B-I-N seals unpainted or porous surfaces so topcoat paints have better coverage. It fills and binds wood fibers to create a smooth, sealed surface with "enamel holdout" so fewer coats of paint are needed. Very porous surfaces may require two coats which may reduce the square foot coverage of the product.

STAIN BLOCKING

B-I-N is an excellent interior stain killing primer. One coat effectively blocks stains, including water, nicotine, ink, crayon, marker, rust and smoke stains so they will not bleed into the topcoat. Some stains require a second coat. B-I-N is recommended for permanently sealing heavy fire and water stains and odors caused by fires. It also seals in urine and other animal odors and is recommended for sealing nicotine stains and odors from tobacco.

PERFORMANCE CHARACTERISTICS

- Dries in minutes, can be recoated in 45 minutes
- Excellent adhesion to glossy surfaces without scuff sanding
- High-hiding formula blocks stubborn and persistent stains
- Seals porous surfaces with excellent enamel holdout
- Can be applied in freezing temperatures
- Permanently blocks most every kind of odor
- Seals bleeding knots and sap streaks
- Dried film is non-toxic and hypo-allergenic

PRODUCTS

SKU	Description
00900	5-Gallon
00901	1-Gallon
00904	1-Quart
00908	1-Pint

PRODUCT APPLICATION

SURFACE PREPARATION

Surfaces should be clean, dry, sound and free of dust, dirt, excessive chalky material, grime, grease, oil, wax, mildew, wallpaper adhesive, or any contamination that may interfere with adhesion. If unsure of cleanliness, always wash surface with household ammonia and water solution, appropriate cleaning solution or solvent (do not use TSP as a cleaner). Remove any peeling and/or unsound coatings. Sand any remaining paint film edges smooth with the surface. Remove existing stains by washing, sanding, scraping, etc. Countersink exposed nail heads, spot prime and fill all nail holes and gouges with Ready-Patch® spackling compound or equally suitable material. Lightly sand exposed exterior wood with 80 to 100 grit sandpaper to remove loose or weathered wood fibers.

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 a 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.

PLASTER & CONCRETE

New plaster must age 30 days before application of B-I-N Shellac-Base Primer. Concrete, plaster, masonry and related surfaces must be fully cured before priming.



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PRODUCT APPLICATION (cont.)

DAMAGED DRYWALL

Damaged drywall should be repaired prior to priming. Spot prime area of torn drywall facing paper or exposed gypsum core with GardZ® Problem Surface Sealer and then skim coat with drywall mud before priming the total area with B-I-N Shellac-Base Primer.

MOLD & MILDEW

Kill exterior mildew with Zinsser® JOMAX® House Cleaner and Mildew Killer. Remove interior mildew stains by washing the surface with a solution of one cup household bleach in a gallon of water. Rinse well. Always wear protective clothing and goggles to prevent eye and skin contact with bleach. Do not add ammonia or other cleaning products to the bleach solution. If concerned about mold and mildew behind walls, underneath flooring, in ventilation systems or other unseen areas, contact a professional who specializes in mold and mildew remediation. For commercial buildings and schools, follow appropriate guidelines for mold removal.

WOOD

Bare wood that has been exposed for more than 4 weeks should be lightly sanded with 80-100 grit sandpaper to remove loose or weathered wood fibers. For new Cedar and Redwood applications, allow B-I-N Shellac-Base Primer to dry 24 hours before painting or topcoating. Sand interior bare wood surfaces using medium to fine grit sandpaper.

LIMITATIONS

B-I-N Shellac-Base Primer is not recommended for whole surface exterior application or for application to floors, decks, or any surface subject to immersion or prolonged contact with water.

PRODUCT APPLICATION (cont.)

APPLICATION

Apply only when air, material, and surface temperatures are between 0 and 90°F (-18 and 32°C) and the relative humidity is below 70%. Do not apply B-I-N if surface temperature is within 15°F of the dew point. Substrate moisture should not exceed 12%. Do not thin. Thoroughly mix to ensure any settled pigment is re-dispersed before using. In most cases only one coat is necessary to prime most surfaces. If excessive absorption occurs over very porous substrates a second coat may be necessary. Spot priming is recommended only under high-hiding topcoat finishes. For best results, prime entire surface before painting. Keep container closed when not in use.

Apply with a natural or synthetic (nylon, polyester or blend) bristle brush, roller, or airless sprayer. Follow manufacturer's instructions when using spray equipment. For airless spraying use a 0.011"-0.013" tip at 800 to 1200 psi. If a conventional sprayer is used, spray at 45-55 psi. Wear NIOSH approved respirator and provide adequate ventilation.

TINTING

B-I-N Shellac-Base Primer may be tinted with up to 2 ounces of universal colorant per gallon. Tinting the primer toward the color of the topcoat helps hide in one coat. Note: The addition of universal colorant may prolong the dry time of this product.

DRY TIME

Dries to the touch in 20 minutes, can be recoated in 45 minutes. The primer film develops full adhesion and hardness after it cures in 1 to 3 days. Lower temperatures, higher humidity, and the addition of tint will prolong dry and cure time. Allow more time at cooler temperatures.

CLEAN-UP

Clean up spills and paint drips with denatured alcohol or ammoniated detergent. If spills or drips have dried, use denatured alcohol or ammoniated detergent to soften and remove primer. Wash application tools in a solution of 1 part ammonia and 3 parts water immediately after use. If product has dried on application tools, soak tools overnight in a solution of equal parts ammonia and water. Scrub clean with a stiff brush. Follow equipment manufacturer's directions to clean spray equipment. Dispose of unused or unwanted product in accordance with local laws regulating water-based coatings.



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PHYSICAL PROPERTIES

Physical Properties		B-I-N Shellac-Base Primer-Sealer/Stain Killer Bond Coat
Resin Type		Shellac-Base
Pigment Type		Titanium Dioxide
Solvents		Denatured Alcohol, Water
Weight	Per Gallon	9.8 lbs.
	Per Liter	1.17 kg
Solids	By Weight	51.0%
	By Volume	29.0%
Volatile Organic Compounds		Max. 550 g/l
Recommended Dry Film Thickness (DFT) per Coat		1.0-1.5 mils (25-37.5 μ)
Wet Film to Achieve DFT (Unthinned material)		3.0-4.0 mils (75-100 μ)
Theoretical Coverage at 1 mil DFT (25 μ)		565 sq.ft./gal. (13.9 m ² /l)
Practical Coverage at Recommended DFT (assume 15% material loss)		Approximately 500 sq.ft./gal. (12.3 m ² /l) depending on application method and surface porosity
Dry Times at 70°F (21°C) and 50% Relative Humidity	Touch	20 minutes
	Recoat	45 minutes
	Full Cure	1-3 days
Shelf Life		3 years
Flash Point		54°F (12°C)
Flame Spread (ASTM-84-97A)		0, Class 1
Smoke Contrib. (ASTM-84-97A)		5, Class 1
MPI Certified		#36, 46
Storage		Store indoors at 40-80°F (4-27°C)
Safety Information		For additional information, see MSDS

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