



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 odours resulting from water & fire damage, seals stains from dark colours, 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 area 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 odours caused by fires. It also seals in urine and other animal odours and is recommended for sealing nicotine stains and odours from tobacco.

PERFORMANCE CHARACTERISTICS

- Dries in minutes, can be recoated in 30 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 odour
- Seals bleeding knots and sap streaks
- Dried film is non-toxic and hypo-allergenic

PRODUCTS

SKU	Description
Z00911	3.7L (Gallon)
Z00910	18.9L (5 Gallon)
Z00914	946mL (Quart)
Z00918	473mL (Pint)
Z01018	369g Aerosol
384836	737g Turbo Aerosol

MPI #36, #46, #136 Certified*

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, always wash surface with Krud Kutter® Prepaint Cleaner TSP Substitute or ammonia and water solution or solvent (Do not use TSP). 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 Zinsser MH Ready Patch® spackling compound, and sand smooth. Lightly sand exposed exterior wood with Gator® 80 to 100 grit sandpaper to remove loose or weathered wood fibers.

* Refer to the MPI website for the most current listing of MPI certified products.



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PRODUCT APPLICATION (cont.)

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.

DAMAGED DRYWALL

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

MOULD & MILDEW

Kill mould and mildew with Moldex® Mould Killer or Concrobium® Mold Control. Remove mildew stains Moldex® Mould & Mildew Stain Remover or Concrobium® Duo Blast. Rinse well. Always wear protective clothing and goggles to prevent eye and skin contact with bleach. If concerned about mould and mildew behind walls, underneath flooring, in ventilation systems or other unseen areas, contact a professional who specializes in mould and mildew remediation. For commercial buildings and schools, follow appropriate guidelines for mould removal.

WOOD

Lightly sand exposed exterior wood with Gator® 80-100 grit sandpaper to remove loose or weathered 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.

BRUSH APPLICATION

Apply only when air, material, and surface temperatures are between -18 and 32°C (0 and 90°F) and the relative humidity is below 70%. Do not apply B-I-N if surface temperature is within -9.5 °C (15°F) of the dew point. Substrate moisture should

PRODUCT APPLICATION (cont.)

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 60ml (2 oz) of universal colourant per 3.78L (gallon). Tinting the primer toward the colour of the topcoat helps hide in one coat. Note: The addition of universal colourant may prolong the dry time of this product.

DRY TIME

Dries to the touch in 15 minutes, can be recoated in 30 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. To dispose of empty containers and unused product, contact your local environmental regulatory agency.

DISPOSAL

To dispose of empty containers and unused product, contact your local environmental regulatory agency.



TECHNICAL DATA

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

REGULATORY

Brush

CONTENTS MAY CATCH FIRE. MAY IRRITATE EYES. MAY IRRITATE SKIN. Do not smoke. Do not get in eyes. Do not get on skin or clothing. Use only in a well-ventilated area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Keep out of reach of children. FIRST AID TREATMENT: Contains ethanol. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes, rinse well with water for 15 minutes. If on skin, rinse well with water.

PRODUCT APPLICATION (cont.)

AEROSOL APPLICATION

Use product at room temperature (21°C) in a well ventilated area – avoid high humidity. Shake can vigorously until ball inside can rattles. Turn can upside down and continue shaking for one minute – shake occasionally during use. Test to determine touch and spray pattern. Spray 25-30 cm (10"-12") from object. Depress valve completely and apply with short 'dusting' strokes.

DRY TIME

At normal temperatures, B-I-N will dry to the touch in 15 minutes. Surface may be painted in 30 minutes.

CLEAN-UP

Wipe off tip before storing. Clean up wet paint with mineral spirits. To clear spray for future use, turn can upside down and spray until clear gas is emitted. Do not burn or puncture the can, even when empty. To dispose of empty containers and unused product, contact your local environmental regulatory agency.

CLOGGING

If valve clogs, twist and pull off spray tip and rinse in a solvent such as denatured alcohol. Do not stick pin or other object into can. Replace nozzle with valve opening pointed away from you

DISPOSAL

Do not burn or puncture the can, even when empty. To dispose of empty containers and unused product, contact your local environmental regulatory agency.

REGULATORY

Aerosol

FUMES MAY CATCH FIRE. MAY IRRITATE EYES. MAY IRRITATE SKIN. CONTAINER MAY EXPLODE IF HEATED. Do not smoke. Do not puncture. Do not burn. Do not get in eyes or on skin or clothing. Keep out of reach of children. Use only in a well-ventilated area. Keep away from flames, such as a pilot light, and any object that sparks, such as an electric motor. Store away from heat. Wear rubber gloves and safety glasses. FIRST AID TREATMENT: Contains acetone, liquefied petroleum gas and ethanol. If swallowed, call a Poison Control Centre or doctor immediately. Do not induce vomiting. If in eyes or on skin, rinse well with water.



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PHYSICAL PROPERTIES -BRUSH

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 (25-37.5µ)
Wet Film to Achieve DFT (Unthinned material)		3.0-4.0 mils (75-100µ)
Theoretical Coverage at 1 mil DFT (25µ)		13.9 m ² /L (565 sq.ft./gal.)
Practical Coverage at Recommended DFT (assume 15% material loss)		Approximately 12.3 m ² /L (500 sq.ft./gal.) depending on application method and surface porosity
Dry Times at 21°C (70°F) and 50% Relative Humidity	Touch	15 minutes
	Recoat	30 minutes
	Full Cure	1-3 days
Shelf Life		3 years
Flash Point		12°C (54°F)
Flame Spread (ASTM-84-97A)		0, Class 1
Smoke Contrib. (ASTM-84-97A)		5, Class 1
MPI Certified		#36, 46
Storage		Store indoors at 4-27°C (40-80°F)
Safety Information		For additional information, see MSDS



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PHYSICAL PROPERTIES AEROSOL

Physical Properties		PRIMER SHELLAC-BASED PRIMER
Resin Type		Shellac-Based
Pigment Type		Titanium Dioxide, Aluminum Silicate, Mica
Solvents		Acetone, Ethanol, N-Butanol
MIR		0.80 Max
Fill Weight		13 ounces
Recommended Dry Film Thickness (DFT) per Coat		1.5-2.5 mils (37.5-62.5µ)
Practical Coverage at Recommended DFT (assume 15% material loss)		10-12 sq.ft./can (0.9-1.1 m ² /can) depending on application method and surface porosity
Dry Times at 70-80°F (21-27°C) and 50% Relative Humidity	Touch	15 minutes
	Recoat	30 minutes
Shelf Life		5 years
Flash Point		-156°F (104°C)
Safety Information		For additional information, see SDS

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