



# Technical Data Bulletin

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An **RPM** Company

## B-I-N®

### Shellac-Base

### Primer-Sealer/Stain Killer/Bond Coat

**Generic Type** – Pigmented shellac-base primer sealer, stain killer & bond coat.

#### Performance Characteristics

- Dries in minutes, can be recoated in 45 minutes
- Superior 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 every kind of odor
- Seals bleeding knots and sap streaks
- Dried film is non-toxic and hypo-allergenic

**Recommended Uses** – 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** – New and previously painted drywall, cured plaster/cement based coatings, wood (pine, fir, cedar, redwood, plywood), metal (aluminum, steel, stainless steel, copper), vinyl, PVC, fiberglass, cured masonry (stucco, concrete block, poured 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** – Spot prime persistent bleed from knots and sap streaks before full-surface priming with water or oil base 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. Note that very porous surfaces may require two coats and may reduce square foot coverage of the product.

• **Stain Killing** – **B-I-N** is the ultimate interior stain killing primer. One coat will effectively block stains, including water, nicotine, ink, graffiti, crayon, marker, rust and smoke stains so they won't bleed into the topcoat. Some stains require a second coat. Recommended for permanently sealing heavy fire and water stains **B-I-N** seals in smoke stains and odors caused by fires. It also seals in urine and other animal odors from smelling. **B-I-N** may be used in areas where incidental contact to food items occurs. **B-I-N** is also recommended for sealing nicotine stains or odors from tobacco.

• **Glossy Surfaces** – Glossy enamel paint and clear finishes, ceramic tile, paneling, cabinets and metal surfaces can be primed without sanding or deglossing.



- **Over Wallcovering** – **B-I-N** may be used to prime existing, soundly adhered, non-porous wallcoverings to hide patterns/dark colors prior to painting.

**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 a household ammonia and water solution, appropriate cleaning solution, or solvent (Do not use TSP as a cleaner). Remove any unsoundly adhered coatings. Sand any remaining paint film edges smooth with the surface. Lightly sand exposed exterior wood with 80 to 100 grit sandpaper to remove loose or weathered wood fibers. Attempt to remove existing stains by washing, sanding, scraping, etc. Kill exterior mildew with Zinsser **JOMAX®** House Cleaner and Mildew Killer. Bare wood that has been exposed for more than 4 weeks should be lightly sanded or abraded to remove weathered wood fibers. Countersink exposed nailheads and fill all nailholes and gouges with **Ready Patch®**. Remove interior mould and mildew before painting with a solution of one cup household bleach per gallon of water or a quality biocidal wash. Rinse well. Always wear protective clothing and goggles to prevent eye and skin contact with bleach. Do not mix ammonia or any other chemical with bleach solution. If you are 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 mold removal. Remove rust and wipe metal with a cloth dampened in alcohol then apply a rust-inhibitive primer.

**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.

**Application Conditions** – Apply when air and surface temperature is between 30° and 90°F (-1° and 32°C) and relative humidity is less than 70%. Do not apply **B-I-N** if

surface temperature is within 15% of the dew point. Substrate moisture content should not exceed 12%.

**Application Methods** – Shake or stir before using. Eliminate all sources of ignition. 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 paints. For best results prime entire surface before painting. Keep container closed when not in use. **Do not thin this product.**

- Brush, Roller or Pad – Use natural or synthetic (nylon, polyester or blend)
- Airless Sprayer – Use .011” – .013” tip @ 800–1,200 PSI
- Conventional Sprayer – Spray at 45 – 55 PSI

**Tinting** – Add up to 2 oz. (59 ml) universal colorant per gallon. Tinting the primer toward the color of the topcoat helps the paint hide in one coat. For mid or deep-tone colors mix equal parts of **B-I-N** and *Bulls Eye Clear Shellac* and add up to 4 oz. (120 ml) universal colorant per gallon. For ultra-deep-tone colors mix 1 part **B-I-N** with 9 parts *Bulls Eye Clear Shellac* and add up to 6 oz. (180 ml) universal colorant per gallon. (Note that the addition of universal colorant may prolong the dry time of this product).

**Dry Time** – In most cases **B-I-N** will dry to the touch in 20 minutes and can be recoated in 45 minutes. The dry primer film develops full adhesion after it cures in 1 to 3 days. Lower temperatures, higher humidity and the addition of tint will prolong dry and cure time.

**Coverage** – Approx. 12.5m<sup>2</sup>/litre smooth, painted, non-porous surfaces. Application losses may vary according to the porosity and texture of the substrate and the method of application and should be taken into account when estimating the quantity of product needed.

**Cleanup** – Clean up spills and 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 tool soak the tool overnight in a solution of equal parts ammonia and water. Scrub clean with a stiff brush. Follow manufacturer's instructions when cleaning spray equipment.

**WARNING: Flammable liquid and vapor. Contains ethanol.** Keep away from heat, sparks, and open flame. Use with adequate ventilation. Do not smoke while using. Do not get in eyes. In case of eye contact, flush eyes with

plenty of water for at least 15 minutes. Do not breathe vapors. If you experience difficulty in breathing, eye watering, headache or dizziness, increase fresh air or leave the area to obtain fresh air. If symptoms persist get medical attention. If spraying use explosion-proof equipment and wear a NIOSH-approved respirator. Do not take internally. If swallowed, contact a physician or Poison Control Center. Avoid skin contact. Keep container closed when not in use. **KEEP OUT OF REACH OF CHILDREN.**

**Warranty** – **B-I-N** is guaranteed to perform as indicated when applied according to label directions to a properly prepared surface. Directions are as complete as possible but cannot encompass all conditions, applications, and/or surfaces beyond manufacturer's control. The contents of the container are warranted to be free from any other defect for 2 years from the date of manufacture. All warranties and guarantees are limited to refund or replacement of product used with proof of purchase. No other warranty or guarantee is expressed or implied.

#### Typical Physical Properties

<b>Percent Solids, Weight:</b>	49%
<b>Percent Solids, Volume:</b>	29%
<b>Density:</b>	9.8 lb. (4.4 kg)/gal
<b>Viscosity Range:</b>	53 – 65 KU
<b>Theoretical Spread Rate @ 1 mil DFT:</b>	12.5m <sup>2</sup> /L
<b>Dry Time @ 75°F/50% RH:</b>	Touch: 20 min Recoat: 45 min
<b>Stain Sealing @ 75°F/50% RH:</b>	45 min
<b>Adhesion Cure @ 75°F/50% RH:</b>	1 – 3 days
<b>Cured Gloss @ 60°:</b>	5 – 10 % (flat)
<b>Cured Enamel Holdout:</b>	98% gloss chg
<b>Flame Spread (ASTM-84-97A):</b>	0, Class 1
<b>Smoke Contrib. (ASTM-84-97A):</b>	5, Class 1
<b>Flash Point (ASTM D3278):</b>	54°F (12°C)
<b>VOC:</b>	<550 g/L
<b>Freeze/Thaw Stable:</b>	Yes
<b>Shelf Life:</b>	36 mo @ 75°F (24°C)
<b>Storage/Handling:</b>	Store indoors 40° – 80°F (4° – 27°C)

**Limitations** – Not recommended for whole surface exterior application or for application to floors or decks or surfaces subject to immersion or prolonged contact with water. These limitations are not to be construed as all-inclusive.

**Disposal** – Dispose of unused or unwanted product in accordance with local laws regulating solvent-based coatings.

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**CAUTION:** Read and carefully follow all the information on this technical data bulletin, on the product label, and on the material safety data sheet for this product. To the best of our knowledge the data contained herein are true and accurate at the date of issuance and are subject to change without prior notice. User must contact Zinsser (UK) Ltd. to verify correctness before specifying or ordering. No guarantee of accuracy is given or implied. We guarantee our products to conform to Zinsser quality control and assume no responsibility for coverage, or injuries from use.