



## Technical Data Sheet for Shellac Primer

### Product Description

Shellac Primer is a premium-quality, alcohol-based primer known for its excellent adhesion, stain-blocking capabilities, and versatility. Formulated with natural shellac resin dissolved in alcohol, this primer effectively seals porous surfaces and blocks tough stains such as water damage, nicotine, grease, tannins, and smoke residue. It is an ideal choice for preparing surfaces before painting, ensuring a smooth and professional finish.

Shellac Primer dries quickly, making it an excellent choice for projects requiring fast turnaround times. It adheres to a wide variety of substrates, including wood, drywall, plaster, metal, glass, and even glossy surfaces without the need for sanding. Additionally, its sealing properties prevent bleed-through of stains and odors, making it a preferred choice for renovation and restoration work.

The primer is compatible with both oil-based and latex topcoats, offering unmatched versatility. Its ability to lock out odors and cover stains makes it suitable for interior surfaces in residential, commercial, and industrial settings. Shellac Primer is available in various tintable shades to enhance topcoat color application.

### Recommended Use

Shellac Primer is ideal for a broad range of applications, including:

- Interior Wall and Ceiling Preparation:**
  - Seals water and smoke stains, tannin bleed, and other discolorations.
  - Ideal for repairing water-damaged walls and ceilings.
- Wood Surfaces:**
  - Blocks stains and tannins on bare or previously stained wood.
  - Seals knots and sap streaks to prevent bleed-through.
- Furniture and Cabinet Refinishing:**
  - Ensures adhesion on glossy or previously painted furniture.
  - Acts as a protective layer to prevent odor and stain bleed-through.
- Odor Blocking:**
  - Locks in strong odors from pets, nicotine, or fire damage, making it suitable for restoration projects.
- Specialty Surfaces:**
  - Adheres to metal, ceramic tiles, glass, and plastic.
  - Provides a solid base coat for challenging substrates like vinyl or laminate.
- Spot Priming and Small Repairs:**
  - Quick-drying formulation allows for touch-ups on stained areas without extensive preparation.

### Technical Data

- Basis:** Natural shellac resin dissolved in denatured alcohol
- Appearance:** Opaque white or tintable liquid
- Specific Gravity:**  $0.9 \pm 0.05 \text{ g/cm}^3$
- pH:** Not applicable (alcohol-based product)
- Dosage:** 8–12 m<sup>2</sup>/L per coat, depending on surface porosity and texture
- Addition:** Ready to use; thinning with alcohol is optional for specific applications.
- Method of Application:**



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- **Brush:** Ideal for detailed or small-scale projects, ensuring precise coverage.
- **Roller:** Suitable for large, flat areas to provide uniform application.
- **Spray Gun:** Recommended for achieving a professional, smooth finish on extensive surfaces.

### Application Steps:

1. **Surface Preparation:** Clean the surface thoroughly to remove dirt, grease, and loose particles. Sand glossy surfaces lightly to improve adhesion.
2. **Mixing:** Stir the primer well before application to ensure consistency.
3. **Application:** Apply an even coat of primer. For stain-heavy areas, a second coat may be necessary.
4. **Drying:** The primer dries to the touch in 15–30 minutes. Recoat or apply topcoat after 1 hour.
5. **Topcoat Application:** Ensure the primer is fully cured before applying any topcoat for best results.

### Safety Instructions

- **Personal Protection:**
  - Wear gloves, safety goggles, and a respirator to avoid irritation from fumes or skin contact.
  - Use protective clothing to minimize exposure.
- **Ventilation:**
  - Ensure adequate ventilation during and after application to avoid inhalation of fumes. Work in well-ventilated spaces.
- **Fire and Explosion Hazards:**
  - Shellac Primer is highly flammable. Keep away from heat, sparks, and open flames.
  - Do not smoke near the application area.
- **First Aid Measures:**
  - **Skin Contact:** Wash thoroughly with soap and water. Seek medical attention if irritation occurs.
  - **Eye Contact:** Flush with clean water for at least 15 minutes. Consult a physician if symptoms persist.
  - **Inhalation:** Move to fresh air immediately. Seek medical help if dizziness or breathing difficulty occurs.
  - **Ingestion:** Do not induce vomiting. Rinse mouth and seek medical attention immediately.
- **Storage:**
  - Store in a cool, dry, and well-ventilated area, away from direct sunlight and heat sources. Keep the container tightly sealed.
- **Disposal:**

Dispose of unused primer and empty containers in accordance with local regulations. Avoid releasing into drains or water systems.

By adhering to these guidelines, Shellac Primer ensures outstanding performance, stain-blocking, and adhesion for a variety of applications, making it a versatile and effective choice for both professionals and DIY enthusiasts.



## Technical Data Sheet for Water-Based Primer

### Product Description

Water-Based Primer is a high-performance, eco-friendly primer designed to enhance the adhesion and durability of topcoats while providing excellent coverage and surface preparation. Formulated with advanced waterborne resin technology, it delivers superior bonding to a variety of substrates, including drywall, wood, concrete, plaster, and masonry. Its low-VOC and odorless formula make it an ideal choice for interior applications, ensuring a safer and more comfortable working environment.

This primer is particularly effective in sealing porous surfaces, providing a smooth and uniform base for paint application. It dries quickly, reducing project turnaround times, and is compatible with a wide range of latex and acrylic topcoats. Water-Based Primer also features excellent stain-blocking properties, effectively covering minor stains, marks, and discolorations to ensure a flawless finish.

The non-flammable, user-friendly composition ensures safe handling, making it suitable for both professional painters and DIY enthusiasts. Additionally, the primer's ability to resist peeling, cracking, and chalking enhances the longevity and performance of subsequent coatings.

### Recommended Use

Water-Based Primer is versatile and suitable for a range of residential, commercial, and industrial applications, including:

1. **Interior Walls and Ceilings:**
  - Prepares drywall, plaster, or painted surfaces for repainting.
  - Seals porous surfaces and hides minor imperfections for a consistent finish.
2. **Wood Surfaces:**
  - Ideal for untreated or previously painted wood.
  - Prevents tannin bleed from knots and stains in softwoods like pine.
3. **Concrete and Masonry:**
  - Effectively primes bare concrete, brick, and stucco surfaces.
  - Seals porous substrates to reduce paint absorption.
4. **Metal:**
  - Compatible with galvanized steel and aluminum when paired with appropriate topcoats.
5. **Kitchen and Bathroom Areas:**
  - Resists moisture and inhibits mold and mildew growth, making it suitable for high-humidity areas.
6. **Restoration Projects:**
  - Conceals old stains, smoke marks, and water damage on previously painted surfaces.

By enhancing adhesion and ensuring an even topcoat application, Water-Based Primer guarantees a professional-grade finish across various projects.

### Technical Data

- **Basis:** Waterborne acrylic resin
- **Appearance:** Smooth, white liquid with a matte finish after drying
- **Specific Gravity:**  $1.25 \pm 0.05 \text{ g/cm}^3$
- **pH:** 8–9
- **Dosage:** 8–12 m<sup>2</sup>/L per coat, depending on surface porosity and texture
- **Addition:** Ready to use; thinning with water (up to 5%) is optional for spray applications.
- **Method of Application:**





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- **Brush:** Recommended for small or intricate areas, ensuring detailed coverage.
- **Roller:** Best for large, flat surfaces to provide an even coat.
- **Spray Gun:** Suitable for professional applications for a smooth, uniform finish.

### Application Steps:

1. **Surface Preparation:**
  - Clean the surface thoroughly to remove dirt, grease, and loose materials.
  - Repair cracks and sand rough areas for an even base.
2. **Mixing:**
  - Stir the primer thoroughly before use to ensure uniformity.
3. **Application:**
  - Apply one or two coats as necessary.
  - Allow 1–2 hours of drying time between coats under normal conditions (25°C, 50% humidity).
4. **Topcoat Application:**
  - Ensure the primer has fully dried and cured before applying the topcoat (typically 4–6 hours).

### Safety Instructions

- **Personal Protection:**
  - Wear protective gloves and goggles to avoid contact with skin and eyes.
  - Use a dust mask or respirator in poorly ventilated areas.
- **Ventilation:**
  - Ensure proper ventilation during application to minimize exposure to airborne particles.
- **Storage:**
  - Store in a cool, dry place, away from direct sunlight and freezing temperatures.
  - Keep the container tightly sealed when not in use.
- **First Aid Measures:**
  - **Skin Contact:** Wash thoroughly with soap and water. Seek medical attention if irritation persists.
  - **Eye Contact:** Rinse immediately with clean water for at least 15 minutes. If irritation continues, consult a physician.
  - **Inhalation:** Move to fresh air if dizziness or respiratory discomfort occurs. Seek medical attention if symptoms persist.
  - **Ingestion:** Rinse mouth with water and consult a physician immediately. Do not induce vomiting.
- **Disposal:**
  - Dispose of unused primer and empty containers in accordance with local regulations. Do not release into waterways or drains.

By following these guidelines, Water-Based Primer delivers outstanding adhesion, coverage, and durability, ensuring exceptional results for various painting projects.