



Technical Data Sheet for Acrylic Primer

Product Description

Acrylic Primer is a high-performance, water-based primer designed for both interior and exterior surfaces. It is formulated using premium acrylic polymers to ensure superior adhesion, durability, and protection for subsequent topcoats. This primer acts as a robust base layer, improving the bond between substrates and final coatings. It seals porous surfaces, ensuring a smooth, uniform finish while reducing paint absorption for enhanced coverage.

This primer is versatile and compatible with a variety of surfaces, including plaster, cement, masonry, drywall, and wood. Its low-VOC, non-toxic formula ensures an environmentally friendly application, offering excellent resistance to alkalis, efflorescence, and moisture ingress. Acrylic Primer dries quickly, enabling efficient project completion, and delivers exceptional opacity and whiteness, making it ideal for professional and DIY use.

By minimizing surface irregularities, Acrylic Primer contributes to longer-lasting, vibrant paint finishes, protecting substrates from environmental wear and tear. Its anti-fungal and anti-bacterial properties further enhance its durability, making it an excellent choice for a wide range of applications.

Recommended Use

Acrylic Primer is recommended for various applications to optimize paint performance and durability:

- Interior Walls and Ceilings:** Ideal for surfaces such as plastered walls, drywall, and ceilings. Its superior adhesion ensures a uniform base for topcoat paints, enhancing aesthetic appeal and longevity.
- Exterior Masonry Surfaces:** Suitable for concrete, cement, and brick surfaces. It prevents efflorescence and alkali damage caused by weather exposure, ensuring topcoat durability even under extreme conditions.
- Wooden Substrates:** Prepares wooden surfaces by sealing pores, reducing paint absorption, and preventing cracking or peeling of the final coating.
- Metal Surfaces:** Can be used as an undercoat for metals treated with rust-inhibiting agents, offering additional protection against corrosion when combined with appropriate topcoats.
- Specialized Areas:** Suitable for high-moisture areas, such as kitchens, bathrooms, or basements, as it provides resistance against mold and mildew.

Proper surface preparation, including cleaning, sanding, and patching irregularities, ensures optimal results. Acrylic Primer's flexibility makes it compatible with both water- and solvent-based paints, making it a universal choice for diverse projects.

Technical Data

- Basis:** 100% acrylic water-based emulsion
- Appearance:** Smooth, white liquid
- Specific Gravity:** $1.35 \pm 0.05 \text{ g/cm}^3$
- pH:** 8.5 - 9.5
- Dosage:** 8–10 m²/L per coat, depending on surface porosity
- Addition:** Ready to use; can be diluted with up to 10% water if necessary for highly absorbent surfaces
- Method of Application:**
 - Brush/Roller:** Ideal for small areas and precision work.
 - Spray:** Suitable for larger surfaces, ensuring even application and faster coverage.



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- Ensure the substrate is clean, dry, and free from grease, oil, or loose particles before application.
- Apply one or two coats, allowing 2–3 hours drying time between layers.

Safety Instructions

- **Personal Protection:** Wear appropriate personal protective equipment, including gloves, goggles, and masks, during application to avoid skin or eye irritation.
- **Ventilation:**
Ensure proper ventilation in the application area, especially in enclosed spaces, to avoid inhalation of fumes.
- **Storage:**
Store in a cool, dry place away from direct sunlight and sources of heat. Keep containers tightly sealed when not in use.
- **First Aid Measures:**
 - In case of skin contact, wash thoroughly with soap and water.
 - For eye contact, rinse immediately with clean water and seek medical attention if irritation persists.
 - If swallowed, do not induce vomiting. Seek medical assistance immediately.
- **Disposal:**
Dispose of unused primer and empty containers in accordance with local environmental regulations. Do not pour into drains or watercourses.

By following these instructions, Acrylic Primer can be used safely and effectively, delivering professional results.



Technical Data Sheet for Alkyd Primer

Product Description

Alkyd Primer is a high-quality, solvent-based primer designed to provide excellent adhesion, durability, and protection for a variety of surfaces. Formulated with advanced alkyd resins, this primer serves as an ideal base for oil-based and solvent-based topcoats, enhancing their appearance and performance. Its superior sealing properties ensure reduced paint absorption, leading to better coverage and cost efficiency.

The primer is especially effective on wood, metal, and previously painted surfaces, providing excellent corrosion resistance and protection against moisture ingress. It also prevents tannin and stain bleed-through on wood and effectively blocks rust stains on metal substrates.

Alkyd Primer is easy to apply, offering a smooth, uniform finish with excellent sanding properties for a professional-grade final appearance. Its fast-drying formula allows for quick recoating, making it suitable for both indoor and outdoor projects. It is available in a neutral white or gray shade to maximize topcoat opacity.

Recommended Use

Alkyd Primer is ideal for a variety of applications, including:

- Wood Surfaces:** Acts as a sealer and barrier against tannin stains, providing an excellent foundation for topcoats. Suitable for bare or previously painted wooden furniture, doors, windows, and paneling.
- Metal Substrates:** Protects ferrous and non-ferrous metals from rust and corrosion. Can be used on structural steel, railings, gates, and other metalwork, especially when combined with rust-inhibitive additives.
- Masonry and Plaster:** Provides good adhesion on cement, plaster, and concrete, preventing moisture penetration and alkali damage.
- Previously Painted Surfaces:** Serves as a preparatory layer for surfaces with existing oil-based or solvent-based coatings. It ensures proper adhesion and a smooth finish for subsequent coats.
- Industrial and Commercial Use:** Ideal for high-demand environments such as warehouses, factories, and commercial buildings due to its robustness and resistance to environmental factors.
- Exterior Applications:** With its weather-resistant properties, Alkyd Primer is highly suitable for outdoor projects, ensuring longevity and durability under harsh conditions.

Proper surface preparation, such as cleaning, sanding, and rust removal, is crucial for optimal performance.

Technical Data

- Basis:** Solvent-based alkyd resin
- Appearance:** Smooth, uniform white or gray liquid
- Specific Gravity:** $1.2 \pm 0.05 \text{ g/cm}^3$
- pH:** Not applicable (solvent-based product)
- Dosage:** 10–12 m²/L per coat, depending on surface porosity and texture
- Addition:** Ready to use; thinning with a recommended solvent (e.g., mineral spirits) up to 10% may be done for spray applications
- Method of Application:**
 - Brush:** Best for detailed and precision work.



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- **Roller:** Suitable for flat, large surfaces.
- **Spray Gun:** Recommended for an even, professional finish on extensive areas.

Application Steps:

1. Ensure surfaces are clean, dry, and free from grease, dust, and loose particles.
2. Remove rust and loose paint using appropriate tools.
3. Stir the primer thoroughly before use.
4. Apply one or two coats as required, with a drying time of 6–8 hours between coats.

Safety Instructions

- **Personal Protection:**
 - Use gloves, goggles, and a respirator during application to avoid skin or respiratory irritation.
 - Avoid prolonged skin contact.
- **Ventilation:**
 - Ensure adequate ventilation when applying indoors to prevent the accumulation of harmful fumes.
- **Fire Hazards:**
 - Alkyd Primer is flammable. Keep away from heat, open flames, and sparks. Avoid smoking in the application area.
- **First Aid Measures:**
 - **Skin Contact:** Wash thoroughly with soap and water.
 - **Eye Contact:** Rinse immediately with clean water for at least 15 minutes and seek medical attention if irritation persists.
 - **Inhalation:** Move to fresh air and seek medical help if symptoms occur.
 - **Ingestion:** Do not induce vomiting; seek immediate medical assistance.
- **Storage:**
 - Store in a cool, dry place away from direct sunlight and ignition sources. Keep the container tightly closed.
- **Disposal:**

Dispose of unused primer and empty containers according to local regulations. Do not pour into drains or watercourses.

Adhering to these guidelines ensures safe and effective use of Alkyd Primer while achieving superior results.