

Ultimate Primer



All Purpose Primer for Interior and Exterior

Ultimate Primer is a versatile water-based primer suitable for various applications, including use as a primer for fresh concrete up to two days old. It is effective on fresh and old cement concrete, as well as surfaces with humidity not over 40%. Ultimate Primer deeply penetrates surfaces, sealing concrete pores to prevent efflorescence and alkali damage on paint film. Additionally, it helps reduce issues such as paint blistering, peeling, which are caused by surface moisture. Ensuring excellent surface adhesion.

Product Features

- Can be used on surfaces with humidity levels not exceeding 40%.
- Resistant to moisture and alkalinity on concrete surfaces, reducing staining issues on the topcoat film.
- Increasing restore and prepare old concrete for repainting.
- Increasing reinforce the adhesion of the topcoat, anti-efflorescence and anti- chalk dust.
- Exhibits excellent adhesion to the surface.
- Matte white film, aiding in surface coverage and facilitating easier application of color film, resulting in quicker finishing.
- Reduces surface absorption, minimizing smudging issues on the topcoat film and making rolling film easier.
- Suitable for both interior and exterior applications.
- Water-based primer with a faint odor and low VOCs content.

Application Instruction

- Suitable for interior and exterior applications, including fresh concrete walls, old concrete walls, and surfaces with humidity levels not exceeding 40%.
- Designed for using on a variety of surfaces such as concrete surfaces, concrete walls, thin plaster surfaces, skim coat walls, gypsum walls, precast walls, fiber cement, wood substitutes, and gypsum boards.



Usage Recommendations

Surface Preparation

- Ensure the surface is dry, strong, and has good adhesion. It should be free of contaminants and any dirt or stains.

Substrate Preparation

Fresh Concrete:

- After plastering, allow the substrate to dry for at least 2 days or humidity levels not exceeding 40%.
- Ensure the surface is clean, free from dust, oil, and dirt.
- If mold and mildew are present on the substrate, clean the surface with Crocodile Biocidal Wash, allowing it to dry for 24 hours before rinsing with water and allowing it to dry.
- For cracks in the wall less than 0.3 mm wide, fill the gap with Crocodile Wall Putty. For cracks wider than 0.3 mm, apply Crocodile Acrylic Seal Plus, then smooth the crack before painting.

Old Concrete:

- Remove any dusty or deteriorated surface or old paint by brushing and washing with water before applying the product.
- If mold and mildew are present on the substrate, clean the surface with Crocodile Biocidal Wash, allowing it to dry for 24 hours before rinsing with water and allowing it to dry.
- For cracks in the wall less than 0.3 mm wide, fill the gap with Crocodile Wall Putty. For cracks wider than 0.3 mm, apply Crocodile Acrylic Seal Plus, then smooth the crack before painting.

Application

- Thoroughly mix Ultimate Primer without dilution. (It is recommended to dilute with 5-10% clean water if the primer is too viscous.)
- Apply Ultimate Primer with a brush, roller, or spray in one coat over the surface.
- Allow it to dry for approximately 3 hours before applying the paint.

Estimated Coverage:

9-11 square meters per liter per coat (depending on paint film thickness, application method, and surface porosity).

* Theoretical coverage may differ from actual usage, not exceeding 20%.

Equipment

- Brush, roller, or Sprayer

Tool cleaning

- Clean all equipment with clean water immediately after used.



Physical Properties

Test Method	Standard	Evaluation
Volume Solids	(ISO 3233)	Approx. 25%
Density	(ISO 2811-1)	1.20
pH (25°C)	(ISO 19396-1)	8-9
Water vapor permeability	(SD (m), ISO 12572)	
VOC content	(ASTM D-2369)	
VOC emission	(CDPH SECTION 01350)	
Flash Point		Non-flammable
Wet Film Thickness		100-110 micron
Dry Film Thickness		30-40 micron
Touch Dry (25-30°C)		at least 30 minutes.
Normal Dry (25-30°C)		2-3 hours.
Hard Dry (25-30°C)		7 days

Note: Test results are obtained from laboratory conditions under controlled environments. Actual results may vary due to several factors such as temperature, environmental conditions, tools, and others.

Recommendation

- Ultimate Primer should be used under suitable conditions.
- Do not apply on wet surfaces or surfaces with humidity exceeding 40%.
- Apply in well-ventilated areas and avoid inhalation of the product.

Cautions

- It is recommended to wear safety equipment, such as gloves, dust masks, safety glasses or other safety equipment.
- Use in a well-ventilated area and avoid inhalation.
- In the event of eye contact, rinse your eyes with clean water several times immediately and seek medical advice promptly.
- In case of contact with skin, wash it off with soap and water.
- Keep out of reach of children.

Handling & Storage

- Store products in a dry, good air ventilated, and cool place under shade.
- Shelf life is 1 year if stored in good condition without opening.

Packing

- Pack size: 15 L, 3.75 L

The information provided is given in good faith, based on current knowledge and Jorakay Corporation's experience with the products when they are properly stored, handled, and applied in normal situations and in accordance with the recommendations of Jorakay Corporation. This is useful for information and consulting but is not legally binding. In particular, it does not exempt the user from testing and verifying the suitability of the product for the desired application and purpose. Jorakay Corporation reserves the right to modifications that improve the product or its application. This version invalidates previous ones.