

# ALT POX 100 Primer



## Product Data Sheet

### Description

**ALT POX100 Primer** is a high performance low-viscosity, modified epoxy resin.

### Applications

**ALT POX100 Primer** is used as a primer/sealer for concrete and masonry substrate. ALT POX100 Primer may also be used to create an epoxy-mortar for applications with high levels mechanical stress.

### Packaging

ALT POX100 Primer is supplied as a two-component formulation in re-sealable drums with locking rings as follows:

ALT POX100 resin	18-kg (component A)
ALT POX100 hardener	8-kg (component B)

### Coverage Rate (approximate)

Non-absorbant substrates:	0.027 kg/ft <sup>2</sup> (0.30 kg/m <sup>2</sup> )
Absorbent substrates:	0.056 kg/ft <sup>2</sup> (0.60 kg/m <sup>2</sup> )
Mortar including aggregate:	0.186 kg/ft <sup>2</sup> (2.00 kg/m <sup>2</sup> /mm)

*Gross yield/26-kg pack: 932 ft<sup>2</sup> (86.7 m<sup>2</sup>) @ 0.3 kg/m<sup>2</sup>*

See recommendations for specific applications. Yields will vary depending upon system selected and the smoothness and absorbency of substrate.

### Storage

Always store in cool and dry location. Do not store in direct sunlight or in temperatures below 32°F(0°C) or above 77°F(25°C). Approximate shelf life is 12-months when left sealed, unmixed and with proper storage.

### Application Conditions

The product can be applied at substrate and ambient temperatures between 41°F (5°C) and 95°F (35°C).

**Note:** The clean and fully cured primer can be coated after a minimum of approximately 12-hours up to a maximum of 7-days. If the surface of the primer becomes dirty or contaminated or left exposed to the elements for more than 7-days, remove and re-apply primer.

### Mixing

Using a slow-speed mechanical agitator, mix the entire drum of ALT POX100 component A resin while quickly adding the ALT POX100 component B hardener. Stir the combined components for 2-minutes then transfer material into second clean and dry bucket, and mix for an additional minute.

### Working Times (at 68°F (20°C))

- Pot Life: approx. 30-minutes
- Rainproof: approx. 8-hours
- Next Coat: approx. 12-hours
- Fully Cured: approx. 7-days

The times noted above are approximate, provided as a guideline, and may vary. Actual set times and cure should be established in the field based on actual field conditions.

### Tool Cleaning

When work is interrupted or completed, tools must be thoroughly cleaned with ALT Activator before the resin hardens.

### Safety Recommendations

Refer to product Material Safety Data Sheet (MSDS) prior to use or handling.

### Disposal

Cured resin may be disposed of in standard landfills. Uncured resin is considered a hazardous material and must be handled as such, in accordance with local, state and federal regulations.

### Ordering Information

#### ALT POX100 Primer (component A)

- Item #: 111-000-010U 18-kg drum

#### ALT POX100 Primer (component B)

- Item #: 122-000-005U 8-kg can

## Application Guidelines

### Handling

Keep away from open fire, flame or any ignition source. Vapors may form explosive mixture with air. Avoid skin and eye contact with this material. Avoid breathing fumes. Do not eat, drink or smoke in area of application. Refer to product Material Safety Data Sheet (MSDS) for additional information pertaining to this product and prior to use or handling.

### Personal Protection Equipment

Workers should wear appropriate clothing to protect from accidental skin contact. When mixing or applying this product workers must use butyl rubber or nitrile gloves. Safety glasses with side shields are required for eye protection.

In enclosed spaces, use local exhaust ventilation to maintain worker exposure below TLV. If the airborne concentration poses a health hazard, become irritating or exceeds recommended limits, use a NIOSH approved respirator in accordance with OSHA Respirator Protection requirements under 29 CFR 1910.134. The specific type of respirator will depend on the airborne concentrations. A filtering face piece or dusk mask is not acceptable for use with this product if TLV filtering levels have been exceeded.

### Surface Preparation

All substrates must be clean, dry, free of oil, grease, curing compounds, release agents, laitance, gross irregularities, loose, unsound or foreign material such as moss, algae growth, dirt, ice, snow, water or any other condition that would be detrimental to adhesion of resin to the substrate. Apply ALT primer to substrate as required. Refer to ALT "Substrate Preparation & Priming Guidelines" for specific recommendations and requirements. Contact ALT Technical Department for recommendations regarding specific applications.

### Application

After mixing, apply resin to clean and prepared substrate at the required consumption using ALT approved rollers or brushes. The resin should be spread evenly onto the surface. See individual system specifications for specific guidelines regarding application of primer, membrane, topcoat and/or surfacing.

### Remarks/Comments

The information provided regarding application of ALT Global products is based on extensive development work, as well as many years of experience, and is given to the best of our knowledge. However, due to the diverse conditions encountered in building construction, it is necessary for the contractor to test the product for its suitability in any given case. We reserve the right to make alterations in keeping with technical developments or improvements.

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