

## Simply Primer EP1

**A Two-Component, 100% Solids, Solvent Free, Epoxy-Polyimine Primer for use on Concrete and Plywood in heavy traffic areas - Indoor/Outdoor**

### Description

Simply Primer EP1 is a two-component, low odor, liquid-applied, epoxy-polyamine primer with unique penetrating characteristics. This primer is recommended for use on concrete and plywood in heavy traffic areas. Use for indoor or outdoor applications. Please use the correct product grade that complies with VOC regulations as per federal, state, statutory bodies, county and city regulations/codes at the place of product installation.

### Features

- 100% Solids
- Excellent Adhesion
- Low Odor
- Low Viscosity
- Solvent Free

### Typical Uses

- Concrete
- Glass Reinforced Plastics
- Plywood
- Polyurethane Elastomeric Surfaces

### Colors

Side-A: blue, Side-B: yellow

### Packaging

3-gallon kit: One 3.5-gallon pail containing net 2 gallons (7.57 liters) of Side-A blue liquid and 1 gallon (3.78 liters) can of Side-B yellow liquid

15-gallon kit: Two 5 gallon (18.9 liters) pails of Side-A blue liquid and 5 gallon (18.9 liters) pail of Side-B yellow liquid

### Surface Preparation

Refer to General and Safety Guidelines for complete information. Concrete surfaces require a medium sandpaper finish equal to or greater than an ICRI CSP #3. Surface preparation may be completed by shotblasting or the use of Simply Profile and Etch cleaner. Peel and adhesion tests are recommended. Install a 100-200 sqft (9.30-18.58 sqm) mock up of the system to be installed and approve for aesthetics, color, texture, actual coverage rates and functionality before proceeding.

### Mixing

Simply Primer EP1 Side-A and Side-B should be thoroughly mixed individually prior to combining to ensure a homogeneous material. The volume mixing ratio is 2 parts Side-A to 1 part Side-B (2A:1B). The combined components should be thoroughly mixed using a mechanical mixer at slow speed or for at least 5 minutes if mixed by hand.

### TECHNICAL DATA (Based on draw down films)

Theoretical Coverage Rate: 1 gallon/300 sqft or 300 sqft/gallon (0.14 liters/sqm)

Pot Life 75°F (24°C) @ 50% RH 20-30 minutes

Dry Film Thickness per Coat 5±1 mils  
(127±25 microns)

Specific Gravity A-Side: 1.09 ± 0.1  
B-Side: 1.07 ± 0.1

Viscosity, at 75°F (24°C)  
Side-A & B combined 600±50 cps

Total Solids by Weight, ASTM D-2369 91 ± 2%

Total Solids by Volume, ASTM D-2697 90 ± 2%

Volatile Organic Compounds 0.75 lbs/gal  
ASTM D-2369-81 (90 gm/liter)

Elongation at Break, ASTM D-412 300-400% ± 50 psi

### Application

Simply Primer EP1 should be applied at the rate of 1 gallon (mixture of Side-A & Side-B) in an even and puddle-free application per 300 sqft or 300 sqft/gallon (0.14 liters/sqm). It can be applied using an airless sprayer, brush, or phenolic-resin-core roller. Coverage rates and cure times will vary depending on temperature, relative humidity, surface roughness and porosity, aggregate selection and embedment, and application technique. Coverage rates provided are optimal and are not guaranteed.

Allow Simply Primer EP1 to become thumbprint-tack free before applying the coating. Heavy applications of primer for void filling will require longer dry times for a completely dry-to-touch film.

Allow primer to be completely dry where primer is used to fill voids and pinholes in concrete. Recommended surface temperature should be greater than 50°F (10°C) and at least 5°F (3°C) above the dew point. Simply Primer EP1 is very sensitive to heat and moisture.

High temperatures and high humidity will significantly accelerate the cure time and pot life. Use caution in batch sizes and thickness of

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application. Low temperature and/or low humidity extend the cure time.

### Equipment Cleanup

Equipment should be cleaned with an environmentally-safe solvent, as permitted under local regulations, immediately after use.

### Shelf Life and Storage

Simply Primer EP1 has a shelf life of 12 months from date of manufacture in original, factory-sealed containers when stored indoors at a temperature between 60-95°F (15-35°C).

### Limitations

- Not UV stable.
- Surfaces must be dry, clean, and free of foreign matter.
- Containers that have been opened must be used as soon as possible.
- Simply Primer EP1 is difficult to clean up after it has cured.
- Do not dilute Simply Primer EP1.
- Mix no more material than can be used with 20 minutes.

**WARNING: This product contains epoxy resin and curatives.**

## Simply Primer

### Selection Chart

N/R = Not Recommended

| FEATURES & USES                | EP1  | EP2      | PUR<br>555 | EP-WBs | EP 121 | EP<br>404FC |
|--------------------------------|------|----------|------------|--------|--------|-------------|
| Low Odor                       | YES  | NO       | YES        | YES    | YES    | YES         |
| Solvent Free                   | YES  | NO       | YES        | YES    | YES    | YES         |
| Low Viscosity                  | YES  | NO       | YES        | YES    | YES    | YES         |
| Fast Curing                    | NO   | NO       | YES        | YES    | YES    | YES         |
| Meets SCAQMD                   | YES  | (SC) YES | YES        | YES    | YES    | YES         |
| Pedestrian & Vehicular Traffic | YES  | YES      | YES        | YES    | YES    | YES         |
| Recoat Window (Hours)          | 12   | 16       | 6          | 12     | 4      | 12          |
| SUBSTRATE ADHESION             | EP1  | EP2      | PUR<br>555 | EP-WB  | EP 121 | EP<br>404FC |
| Concrete & Masonry             | YES  | YES      | YES        | YES    | YES    | YES         |
| Asphaltic Concrete             | TEST | N/R      | N/R        | TEST   | TEST   | TEST        |
| Glass Reinforced Plastic       | TEST | TEST     | TEST       | TEST   | TEST   | TEST        |
| Plywood                        | YES  | YES      | N/R        | N/R    | YES    | YES         |
| Abraded Metals                 | YES  | YES      | YES        | YES    | YES    | YES         |
| Bonderized Metal               | YES  | YES      | YES        | YES    | YES    | YES         |

Please read all information in the General & Safety Guidelines, Technical Data Sheets, Guide Specifications and Safety Data Sheets (SDS) before applying material. Products are for "Professional Use Only" and preferably applied by professionals who have prior experience with the Products or have undergone training in application of Simply Products. Published technical data and instructions are subject to change without notice. Contact your local Simply Waterproofing representative or visit our website for current technical data, instructions, and project specific recommendations.

#### LIMITED WARRANTY

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