

# ENDURABOND 300 ECO PRIMER

## DESCRIPTION

**ENDURABOND 300 ECO PRIMER** is a rapid drying, water-based epoxy concrete floor primer. Formulated from unique polymeric emulsion chemistry, **ENDURABOND 300 ECO PRIMER** provides superior performance over traditional water-based epoxy primers.

### FEATURES AND BENEFITS

- Fast dry allowing rapid turnaround time with appropriate topcoat.
- Can be applied at low temperatures down to 5°C with adequate air flow.
- The cured coating exhibits water vapour permeability.
- 66% solids.
- There is a visible, distinct end of pot-life.
- Excellent abrasion and impact resistance.
- Excellent adhesion to substrates such as concrete, wood, fibreglass.
- Good chemical splash resistance.
- Negligible odour.
- Zero VOC.
- Can be used as a self-levelling system or flush coat by adding an equal amount of clean dry aggregate (0.1-0.3 mm).

### APPLICATIONS

**ENDURABOND 300 ECO PRIMER** is a water-based epoxy primer for concrete and timber substrates including applications such as:

- Factory floors
- Garage floors
- Laboratories
- Restaurant floors
- Aircraft hangers
- Store rooms

**MIXING RATIO:** 4 Parts **ENDURABOND 300 ECO Part A** + 1 Part **ENDURABOND 300 ECO Part B** by volume.

**COLOUR:** Light grey

**GLOSS LEVEL:** Flat gloss

**WORKING TIME** 60% relative humidity

2 to 4 hours @ 20°C

1 to 2 hours at 30°C

4 to 6 hours at 10°C

End of pot-life is evident by a sharp rise in viscosity.

Do not use below 10°.

### SET TIME BEFORE APPLICATION OF NEXT COAT:

**ENDURABOND 300 ECO PRIMER** must be tack free prior to application of the next coat.

10°C – 6 hours

20°C – 1 to 2 hours

25°C – 1 hour

*These times are dependent on adequate airflow.*

*Ensure evaporation of water from **ENDURABOND 300 ECO PRIMER** is possible using adequate ventilation, fans and/or dehumidifier.*

### MAXIMUM RECOAT TIME

18 hours at 25°C.

### COVERAGE FOR 80-110 MICRONS DFT COATING

Primer coat: 6 – 8 m<sup>2</sup> per litre (dependant on substrate porosity)

Porous substrates may require a second application.

### SUBSTRATES

Apply over suitably prepared concrete, or other surfaces as recommended.

## APPLICATION PROCEDURE

### Step 1 :

#### Surface Preparation.

Refer to **Polymer Group** Application Standard for full surface preparation instructions. Substrate should be clean, dry and free of oils and other contaminants. **Polymer Group** recommends diamond grinding or shot-blasting to create the necessary surface profile. Acid or wet etching is not recommended.

### Step 2 :

#### Primer Application:

Mix Ratio: **4 parts ENDURABOND 300 ECO PRIMER Part A + 1 Part B by volume.**

Mix on low speed (300 rpm) for 3 minutes, scraping the sides and base of the mixing container, then slowly add 10% clean water while mixing for a further 2 minutes. Transfer to another clean container and mix for a further minute.

Spread the material at 6 m<sup>2</sup> to 8 m<sup>2</sup> per litre (depends on porosity of substrate) by roller, or squeegee and then back roll using an 8-10mm nap roller to achieve a smooth, even finish.

### Step 3 :

#### Recommend application of the following topcoats:

Endurabond UHC, Endurabond 450 NS, Endurabond Floorshiled SL and others. Contact Polymer Group for other recommendations.

### CLEANING

Tools can be cleaned with water before the material has gelled MEK.

**ALL MATERIALS MUST ONLY BE USED BY TRAINED PERSONNEL.**

## ORDERING INFORMATION

Prices may be obtained from your Polymer Group Sales Representative.

### PACKAGING



20L kits  
(16L Part A + 4L Part B)

## HANDLING & STORAGE

**STORAGE CONDITIONS:** Store Indoors

Temperature: 4-43°C

Humidity: 0-100%

**SHELF LIFE:** Minimum 12 months, unopened when the **ENDURABOND 300 ECO PRIMER** components are stored in sealed containers at 16°C – 32°C in a dry area.

**CLEANING:** Tools can be cleaned with **ENDURABOND Reducer No:3** before the material has gelled.

## HEALTH AND SAFETY ADVICE

Refer to Polymer Group Safety Data Sheets for individual products.

### Health Considerations:

Contamination of the eyes by resin, hardener or mix should be treated immediately by flushing with clean, running water for 10 to 15 minutes. A doctor should then be consulted.

Material smeared or splashed on the skin should be dabbed off, and the contaminated area then washed and treated with a cleansing cream.

A doctor should be consulted in the event of severe irritation or burns.

Contaminated clothing should be changed immediately.

Anyone taken ill after inhaling vapours should be moved out of doors immediately.

Consult the Material Safety Data Sheet.

Always wear eye protection and suitable protective clothing. Flush splashes to the skin or eyes with copious quantities of water.

Wear suitable protective clothing, safety glasses and gloves when mixing and applying coating.

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