

# EP-2

## 2-part water based epoxy primer and moisture barrier

### DESCRIPTION

**EP-2** is a 2-part water based epoxy primer and moisture barrier for concrete and masonry substrates. **EP-2** will prevent moisture penetration and rising damp scenarios. **EP-2** can be applied over damp substrates and green concrete, screeds and renders with superior hydrostatic pressure capabilities. **EP-2** has excellent adhesion properties to concrete, concrete block, masonry, render, brick and stone substrates and has low odour and low VOC and is non-flammable. Once dry **EP-2** has excellent moisture resistance in both positive and negative applications. **EP-2** should be tiled over with **ADH-55** within 24 hours of final coat being applied.

#### FEATURES & BENEFITS

- ◇ Water wash up
- ◇ Can be applied to damp substrates
- ◇ Low VOC
- ◇ Low odour
- ◇ Non-flammable
- ◇ Can be painted over
- ◇ 1-2 hour pot life 23°C

#### SUITABLE FOR

- ◇ Priming and waterproofing
- ◇ Tiling over with **ADH-55** Adhesive
- ◇ Masonry Substrates
- ◇ Concrete including green concrete
- ◇ Block and brickwork
- ◇ Negative and positive WP application
- ◇ Overlay with vinyl, carpet, timber & levelers

### SUBSTRATE PREPARATION

All substrates must be clean, dry, free from dust, wax, grease, oil, laitance, curing compounds and release agents. Flexible building boards such as F/C sheeting and plasterboard must be fixed in accordance with the manufacturers written instructions. Excessive dust should be removed by sponging down substrate with clean water before applying **EP-2**. Painted surfaces must also be soundly adhered remove any loose or flaky paint. If in doubt with any of the above please contact **ACT Australia Technical Services**.

### MIXING & APPLICATION

Slowly mix **Part A & Part B** in equal parts for 3 minutes with a quality drill & mixing paddle to ensure a smooth and consistent mix. Leave mix for 5-10 minutes before using. Only mix what can be used within an hour pot life. Apply first and second coat with a brush or roller working product well into the substrate, ensure no pin holes or voids are created. First coat of mixed **EP-2** can be slightly diluted with up to 10% clean drinking water dependent upon porosity of substrate. If applying over damp substrates no surface water should be visible. When applying over dry substrates dampen down with clean water before applying first coat of **EP-2**. Best results are achieved with 2 coat applications. Rising damp or limiting efflorescence a minimum 1 coat application may be achieved. For waterproofing and creating a moisture protective barrier a minimum of 2 coats is recommended. Attention to care should be taken to ensure uniform application and required coverage is achieved. If unsure a third coat should be applied until recommended coverage is achieved. Second and third coat applications should NOT be diluted with clean drinking water. The subsequent application of membranes, **ADH-55** Adhesive, mortar, leveling compounds and other coatings should commence within 24 hours of final coat. If this cannot be achieved another coat of **EP-2** needs to be applied with application commencing within 24 hours. If in doubt contact **ACT Australia Technical Services**.

### DRYING

Tack Free after 24 hours  
Complete cure is 7 days at 25°C  
Drying time may vary depending on surface porosity, relative humidity and ambient temperatures.

### COVERAGE

1 coat will cover approximately 3m<sup>2</sup> per litre. A 20L kit will cover approximately 60m<sup>2</sup> after one coat and 30m<sup>2</sup> after two coats.

### CLEAN UP

**EP-2** can be removed from surfaces using a damp cloth while still wet. Tools and equipment can be cleaned with water and detergent prior to **EP-2** drying.

### SHELF LIFE

In unopened original packaging for up to 12months when stored in a cool, dry environment off the floor and out of direct sunlight.

### PACKAGING

ACT **EP-2** is a 20lt kit and consists of a 10lt drum of **EP-2 PART A** & a 10lt drum of **EP-2 PART B**

### LIMITATIONS

- ◇ **EP-2** is not a trafficable membrane and must be covered with compatible flooring
- ◇ Do not apply in temperatures below 10°C and above 35°C
- ◇ Do not apply **EP-2** if rain is expected
- ◇ Do not use **EP-2** that has exceeded pot life or working time
- ◇ Ensure **EP-2** is covered within a maximum of 5 days after application and that no damage has been caused to substrate
- ◇ Ventilation is required during curing to ensure evaporation of any water
- ◇ If in doubt, contact **ACT Australia Technical Services** for further information and advice.

### SAFETY DIRECTIONS

ACT Australia supports best practice in material handling. Provide good ventilation- open doors and windows and use circulating fans. Appropriate gloves, masks, safety glasses and protective clothing should be worn. If product comes in contact with skin it can be washed off with water before drying. If swallowed drink plenty of drinkable water and seek medical advice, do not induce vomiting. In case of contact with the eyes, rinse with clean water or eye wash solution and seek medical advice.

In case of an emergency please call the Poisons Information Centre on 13 11 26.