



# Hychem E500P

## EPOXY CONCRETE PRIMER

### Product Description

Hychem E500P is a high solids epoxy primer designed to penetrate, bond to and seal concrete surfaces. Hychem E500P is designed to be used in conjunction with high build epoxy coatings and toppings to inhibit gassing of the high build product due to thermal movement of air between the substrate and the air space.

### Typical Applications

- As a primer for high build coating applications
- As a primer for self levelling floor toppings

### Advantages

- Excellent adhesion to concrete and most building materials and compatible to other coating or topping systems
- Versatile – suitable for general purpose use

### Physical Properties

Physical Properties (@ 250C, 50% RH)	
Specific gravity	1.08 kg/L
Solids content	>96%
Pot life	30 min
Mix ratio by volume (Resin:Hardener)	1:1
Tack free time	8 hours
Re-coat time	8 - 24 hours maximum
Cure time	8 - 12 hours for foot traffic
Application temperature until cured	Minimum 10°C - 30°C Maximum

### Application Guidelines

#### Surface Preparation

- The concrete substrate must be firm, clean and dry with a compressive strength of 25 MPa and a minimum surface tensile strength of 1.5 MPa.
- New concrete must be allowed to cure for a minimum of 28 days.
- Remove all surface laitance, contaminants, existing coatings, curing compounds and any weak and loose materials. Prepare the concrete surface by Abrasive Grit Blasting, Shot Blasting, Scarifying, Ultra High Pressure Water Jetting or Scabbling to provide the appropriate surface profile for optimum mechanical keying.
- The extent of surface preparation required is Dependant upon but not limited to the thickness of the coating system to be applied. It is highly recommended surface preparation is carried out in accordance with industry standards and publications such as NACE 02203 item No. 22420 or ICRI Technical Guideline No. 03732.



# Hychem E500P

## EPOXY CONCRETE PRIMER

---

### Applying

- Apply Hychem E500P by roller at a coverage rate of 4 - 8 m<sup>2</sup> per litre depending on surface porosity.
- Allow the primer to cure completely before applying any subsequent coatings.
- For substrates of high porosity a second coat of primer may be necessary. Apply this second coat after a minimum time of 8 hours and a maximum time of 24 hours.

### Clean Up

Xylene or MEK can be used for cleaning tools and equipment before the mixed compound begins to harden.

### Coverage

Primer @ 4 - 8 m<sup>2</sup> per litre depending on the porosity and texture of the surface.

### Packaging

Kit sizes:

4 Litre kit, 40 Litre kit

### Storage

12 months from date of manufacture, stored under shelter at 25°C in the original un-opened container.

### Warranties and Disclaimers

Hychem warrants that this product shall conform to the technical specifications published in the product literature. The quality and fitness of the product is dependent upon the proper use and application of the product by the applicator. Hychem has no role in the application of the finished polymer other than to manufacture and supply its components. It is vital that the person applying this product understands the product and is fully trained and certified in the use of spray equipment and application of sol-gel materials. There are no warranties that extend beyond the description on the face of this instrument, except when provided in writing, directly by Hychem and executed under seal by a company officer.

### Field Support

Field support where provided, does not constitute supervisory responsibility. Suggestions made by HYCHEM either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they and not HYCHEM are responsible for carrying out procedures appropriate to a specific application.

### Customer Responsibility

The technical information and application advice given in this publication is based on the best information available at the time of print. As the information herein is of a general nature, no assumption can be made as to the product suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, his representative or the contractor is responsible for checking the suitability of products for their intended use.