



*earth friendly chemistry*

www.epasia.net



# The Total Waterproofing System

*It's time to turn to these superior waterproofing systems.  
The future of construction waterproofing is EP™.*



TESTED AND ACCREDITED BY THE WORLD'S LEADING ORGANISATIONS



COATINGS - CLEANERS - DEGREASERS - WATERPROOFING SYSTEMS



# The future of construction waterproofing is E P™ !

The E P™ range of waterproofing products has the definitive answer to all waterproofing requirements and specifications that are demanded by today's modern construction projects.

Our résumé of successfully completed projects using this revolution in waterproofing technology is beyond comparison. E P™ Waterproofing system require no mixing with an easy application method suitable for all workers.

The E P™ range of waterproofing products empower the waterproofing industry with environmental benefits that are globally recognised as 'superior' in environmentally safe technology, by the leaders in today's global environmental assessment.

Non-slip, simple application and easy clean up with a penetrating Polymer system make the E P™ range of waterproofing products the partner in your construction waterproofing success.

## So What?

### Why should I change my current system?

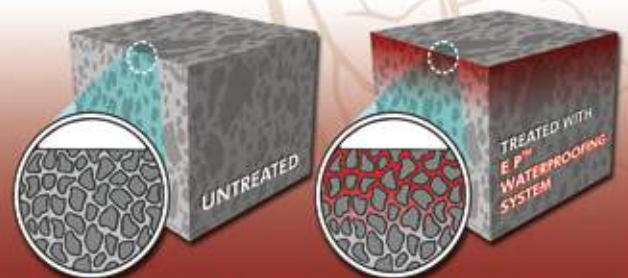
E P™ Waterproofing products deliver the answer to your construction waterproofing questions in one product.

- E P™ products are not membranes and cannot be damaged or torn
- Applied to 'green' or fresh concrete, E P™ will cure, harden and waterproof structure of any concrete grade.
- One application only – a backpack sprayer is all that is required
- No mixing – No mistakes!
- E P™ is resistant to stain – chemicals, cleaners, oils, fats and grease
- Is compatible with all paints, coatings, tiles, plastering etc..
- No downtime – foot traffic in 35 minutes – No curing needed.
- No curing agents required to slabs – no floor hardeners.
- Prevents alkali and lime leaching and also rusting reinforcement.
- Does not require 'protective' screeding or toppings.
- Can be applied in all weather conditions.
- No 28 days waiting period before application
- Quick dry time – 20 to 40 minutes.

E P™ Waterproofing Products are neither membranes nor surface coatings, but penetrate deep into concrete and masonry protecting the structure from within. Our advanced Polymerised Polyester Polymer chemistry causes a chemical reaction that solidifies all components of the concrete or masonry into a solid dense mass and neutralises all lime and alkali eliminating 'saponification' – peeling of paints, coatings and/or any toppings.

E P™ Waterproofing products are for all waterproofing and designed to be easy to use and accessible to everyday users:

- Basements - slabs - walls - floors - in-situ - pre-cast
- Bathrooms - toilets - wet kitchens - balconies
- R.C slabs - roofs and floors - gutters - drainage
- Rectification works or new construction projects
- Treatment Plants - Water & Sewage
- Leaking problems - positive or negative sides
- Swimming pools - fish ponds - water displays
- Planter Boxes - Roof top gardens - retaining walls



E P™ works by penetrating the concrete's surface by capillary action and coats each particle with Polyester Polymer Chemistry. On the left the concrete aggregate and other particles are uncoated allowing moisture and water through. On right the polymer chemical reaction solidifies all the components into one strong mass. Also stops moisture rising up through the concrete.

- New or old concrete - above or below grade - even and uneven
- Tiled areas - leaking bathrooms - kitchens - No hacking - No Smell and No Noise.
- High stain resistant requirements - outdoor areas - service stations etc.

*If you need waterproofing – Think E P™ Waterproofing Systems*

The **E P™** Waterproofing System™ ... *Seeing is believing!*



## How many products for the job?

Unlike competitors we don't have a 'sealant' for this type of material and a waterproofing product for that type of material.

E P™ Waterproofing products can be used on all masonry and concrete structures – one product – one application.

- Concrete – New or Old. Above ground or below.
- Bricks – all types
- Blocks.
- Natural Stone
- Pavers – cobblestones – stenciled concrete
- 'Shot-Crete' or spray on texture coatings – cement based.
- Tiles grouts and wet area cements
- Floor hardeners – Cement based toppings
- Historic masonry

With our no-mixing products, waterproofing is as simple as spray and walk away, applications methods can vary according to the project at hand.

- Back-Pack – Most common application – excellent coverage
- Broom or small brush
- Roll on and even mop applied.

Application only requires a clean, dry surface if you can saturate the concrete surface with an E P™ Waterproofing product - then you have finished.

Our average coverage is 5 – 7 square metres or 55 -75 sq.ft per litre in one single application meaning E P™ Waterproofing products are incredibly economical and result in general savings in downtime, workers and costly equipment.

## E P™ Vs membranes

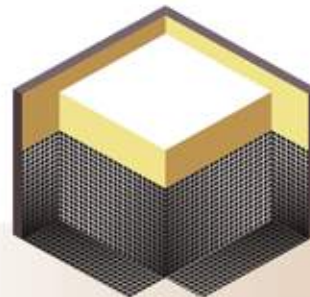


Conventional 'two-coat' solvent based, torch or roll on membranes including bitumen torch on are widely used in the construction industry today.

Unfortunately for the developer and contractor, both are restricted by weather, skill level of workers and most importantly dampness in the existing slab, abrasions by sub-trades/workers cause these coatings to become damaged and unsuccessful for long term waterproofing requirements

Membranes are surface coatings similar to 'plastic food wrap' which covers the surface. That's all they do, hence they are easily damaged and not resistant to U.V and extreme weather conditions.

Cement-based membranes are prone to poor or incorrect mixing as well as knocks and cracks. Membranes in general are vulnerable to perforations and tears from incorrect application and sub-trades. At the end of the day they just sit on the surface.



*Intricate cutting & lapping of membrane.  
Many joints*

Membranes have to be fitted and fixed to simple and complex shapes. Often joints and joints have to be made waterproof by solvent and other chemical membrane products. Too messy, time consuming and costly, and not too environmentally friendly.



*Just spray it on! Gets into corners.  
No joints*

EP™ is simple to apply. Just spray it on and it will penetrate into the concrete by capillary action to form a permanent waterproof seal. There's nothing like it. It requires only one application and is compatible with all toppings such as tiles, paint, render, etc

**E P™** products are *'superior' in green technology*





**TRAINED WATERPROOFING SPECIALISTS**  
Nationwide

## E P™ - Your partner in waterproofing

The E P™ range of waterproofing products have been successfully tested and accredited by the world's leading authorities from;

ASTM – American Society for the Testing of Materials  
BSI – British Standards  
SIRIM QAS – Malaysian Standards  
Standards Australia  
International testing by independent laboratories.

Not only do we have complete and up-to-date test results but are also accredited and recognized as a 'leader' in environmentally safe technology, ensuring a quality product that is also safe for our earth.



E P Borneo Sdn Bhd manufactures an extensive range of easy to use, eco-friendly water-based coatings, cleaners, degreasers and waterproofing systems, utilizing the revolutionary principles of *earth friendly chemistry*.

Our product range is non-toxic, non flammable, non hazardous and bio-degradable.

Easy to use and cost efficient, the E P™ range has been designed to produce powerful results in a wide range of commercial and industrial applications.

These products meet the highest of American, Australian, ASEAN and international environmental standards and follow all similar guidelines across the globe.

The E P™ range is widely used by contractors, developers, sewage and water treatment plants, marine industries, off shore oil & gas operations, oil palm mills, commercial and industrial uses, post-construction clean-ups, maintenance and government departments and projects.

### So who do I talk to?

Contact EP™ for technical data, testing documentation, product usage, project profiles and referrals and details for the full range of the environmentally safe EP Waterproofing products or your local agent.

### How to apply EP™

Follow these simple application instructions to ensure a top quality job.

1. Apply EP™ immediately after concrete has "gone off" or when forms have been removed.
2. Use a low-pressure sprayer or any spray, operated at no more than 20psi.
3. Spray entire surface using approx 1 litre per 5-7 square metres. Allow to dry.
4. Area may be opened to reasonable foot traffic at this time or when concrete has hardened sufficiently.
5. Allow several days for completion of the curing process and penetration.
6. Allow to dry completely prior to the application of paint or any coatings.

### The E P™ product range:

- |                           |                             |
|---------------------------|-----------------------------|
| E P™ Eco-Kleen            | E P™ Concrete Cleaner       |
| E P™ Rust/Stain Remover   | E P™ Efflorescence Remover  |
| E P™ Brick & Tile Cleaner | E P™ Truck, Car & Boat Wash |
| E P™ Dust Suppressor      | E P™ Rig-Kleen L.F          |
| E P™ Rig-Kleen XHD        | E P™ Marine Wash            |
| E P™ Clean Hands          | E P™ Bondex                 |
| E P™ Ultra Seal           | E P™ Waterproofing System   |
| E P™ Waterproof Supreme   | E P™ Wood Sealer            |
| E P™ Rust Converter       |                             |



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