

# enviro shield

## Water Based Epoxy Coating



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### Description

Enviro Shield is a 2-Part, non-hazardous water based epoxy system. Enviro Shield once applied cures to form a hard, durable primer and coating against the egress of water. Suitable for commercial, industrial and residential environments.

### Advantages

- Very Low VOC Content
- Easy to Apply
- Low Odour
- Good Abrasion Resistance
- Resistance to a Wide Range of Chemicals
- Water Based
- Bonds to Damp Concrete
- Durable

### Uses

Suitable for use in concrete and masonry areas of

- Basements
- Tunnels
- Retaining walls
- Lift wells
- Car parks
- Primer for other systems

### Physical Properties

Enviro Shield is supplied as a pigmented 2-Part Water based epoxy coating.

- |                       |                |                  |                |
|-----------------------|----------------|------------------|----------------|
| • Mix ratio           | 1A:1B vol/vol  | • Cure time      | 7 days @ 25°C  |
| • Finish              | Semi Gloss     | • Pot life       | 2 hours @ 25°C |
| • Re-coat time (min.) | 4 hours @ 25°C | • Colour         | Grey           |
| • Re-coat time (max.) | 3 days @ 25°C  | • Solids Content | 50% by volume  |

### Application Directions

#### Substrate Preparation

By mechanical or other suitable means, ensure all loose particles, including dust, laitance, grease, coatings, curing compounds and other foreign matter are removed.

#### Mixing

Add Part B, liquid hardener to the Enviro Shield Part A base. Mix using slow speed mechanical mixing equipment with suitable mixing paddle attached. Mix for 5 minutes or until uniform. Allow to stand 10 minutes after mixing.

#### Application

Mix only sufficient material for use within 1 hour as mixed material will not be suitable for use after 1 hour. Enviro Shield can be applied using brush, roller or airless spray. Apply two coats of Enviro Shield to achieve a minimum dry film thickness (DFT) of 0.3mm for hydrostatic applications and 0.15mm for priming. Allow a minimum of 4 hours drying before overcoating.

## Estimating Data (Theoretical)

The consumption of Enviro Shield will depend upon substrate condition and type. As a guide: One litre of Enviro Shield will cover approximately 3.3m<sup>2</sup> based on a 0.150mm Dry Film thickness (DFT)

## Packaging

Enviro Shield is supplied in 20 ltr and 8 ltr kits proportioned ready for mixing.

## Curing

Enviro Shield generally can be recoated after allowing to dry for 24 hours at 25°C. If used as a primer, over coat within 3 days. Enviro Shield is not recommend for full immersion applications.

## Cleaning

Enviro Shield should be removed from all tools and equipment, prior to hardening with water. Cured material can only be removed mechanically.

## Shelf Life

Enviro Shield can be stored in its original sealed containers for 12 months in controlled environments.

## Safety Advice

Cured Enviro Shield films are environmentally friendly. Always provide adequate ventilation and wear appropriate Personal Protection Equipment (PPE) during use. If swallowed, DO NOT induce vomiting, have plenty of water or milk. Seek immediate medical advice. Wash off splashes of material with clean water and soap. If irritation occurs seek medical advice. Refer to MSDS. KEEP OUT OF REACH OF CHILDREN.



Manufactured by Waterproofing Technologies Pty Ltd

Address: 295 Princes Highway St Peters NSW 2044 Sydney Australia

Telephone: +61 2 8595 8699

Facsimile: +61 2 8595 8660

Web: [www.envirosystems.com.au](http://www.envirosystems.com.au)

### Statement of Responsibility

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### Note:

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