

# enviro epoxy B-NS

Solvent Free Non Sag  
Epoxy Mortar Binder



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## Description

Enviro Epoxy B-NS is 100% Solids, solvent free thixotropic epoxy mortar binder suitable for structural concrete repairs in vertical and overhead applications. Epoxy B-NS has a proven history in concrete repair and bonds destructively to a variety of substrates. This system performs well in the most demanding environments.

## Advantages

- Very Low VOC Content
- Waterproof
- Adheres well to cured polyurethane
- Excellent adhesion
- Chemically resistant
- Restores structural design strength
- Multi purpose use

## Uses

- Concrete crack repair
- Spalling repair
- Warehouse Floor repair
- Adhesive for immersed applications
- Production of non sag mortars
- Waterproofing of damaged concrete
- Adhesive for bonding to concrete
- Splash zone repairs
- Water Treatment and Supply
- Grouting of bolts and anchors

## Physical Properties

Enviro Epoxy B-NS is supplied as 2 part solvent free epoxy system. Part A: Liquid Base, Part B: Paste Hardener

- |                         |                |                        |                 |
|-------------------------|----------------|------------------------|-----------------|
| • Solids content        | 100% vol/vol   | • Mix Ratio            | 2A:1B vol/vol   |
| • Working time          | 1 hour at 25°c | • Tack free time       | 6 hours at 25°c |
| • Tensile strength      | 14 MPa         | • Compressive strength | 55MPa           |
| • Tensile bond strength | 2.7MPa         | • Cure Time            | 3 days at 25°c  |
| • Shelf Life            | 2 years        |                        |                 |

## Application Directions

### Substrate Preparation

The surface must be clean, and free from all loose particles including dust, laitance, grease, coatings, curing compounds or any other foreign matter. The concrete substrate must be prepared by way of degreasing, grinding or captive shot blasting to expose the aggregate and provide a profile. Allow floor to dry if degreasing has been carried out before applying Enviro Epoxy B-NS.

### Priming

Priming may be required in certain circumstances. If required apply Enviro Epoxy B at a rate of 8m<sup>2</sup>/ltr. Refer to Waterproofing Technologies for specific recommendations.

### Mixing

Add Part B, paste hardener to the Enviro Epoxy B-NS Part A liquid base. Mix using slow speed mechanical mixing equipment with suitable mixing paddle attached. Mix for 5 minutes or until uniform.

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## Application Directions (cont)

### Application

Enviro Epoxy B-NS can be applied using a trowel or squeegee. Apply sufficient material to completely fill void ensuring material is worked well into and completely wets out the substrate.

When using Epoxy B-NS to prepare a non sag mortar mix parts A and B thoroughly and then add clean 600um aggregate in the ratio 2 aggregate : 1 epoxy. Enviro Epoxy B-NS can also be used as primer/binder for a wide variety of systems such as Enviro HP 1200, Enviro Epoxy TC, Enviro Epoxy RC, Enviro Epoxy WB and also polyurethane and acrylic membranes. Refer to appropriate data sheet for application recommendations.

### Estimating Data

The consumption of Enviro Epoxy B-NS will depend upon substrate condition or type.

### Packaging

Enviro Epoxy B-NS is supplied in 6 ltr and 12 ltr kits proportioned ready for mixing.

### Chemical Resistance

Enviro Epoxy B-NS is resistant to a large range of chemicals and is suitable for most dilute acids and alkalines. Contact Waterproofing Technologies for recommendations on specific applications.

### Curing

Enviro Epoxy B-NS generally can be recoated after allowing to cure overnight. Repairs can go into service generally 24 hours after curing. The product must be allowed to cure for 7 days at 25°C, before being subjected to chemicals.

### Cleaning

Enviro Epoxy B-NS should be removed from all tools and equipment, prior to hardening, with Enviro Thinners No.7. Observe all OH&S and MSDS information pertaining to safe usage and handling of solvents. Cured material can only be removed mechanically.

### Shelf Life

Enviro Epoxy B-NS can be store in its original sealed containers for 24 months in controlled environments.

### Safety Advice

Enviro Epoxy B-NS contents are considered non-flammable. Always provided adequate ventilation and wear appropriate Personal Protection Equipments (PPE) during use. Avoid contact with skin. Avoid breathing vapour. Wear protective eyewear. If swallowed, DO NOT induce vomiting, have plenty of water or milk. Seek immediate medical advice. Wash off splashed material with clean water and soap. If irritation occurs seek medical advice. Refer to MSDS.

**KEEP OUT OF REACH OF CHILDREN.**



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