Enviro Prime WB

PRIMER AND CEMENTITIOUS ADMIXTURE

Enviro Prime WB is a water-based primer for specific waterproofing membranes, cementitious repair products and an admixture for cementitious mortars.

FEATURES AND BENEFITS

- Excellent adhesion to a variety of substrates
- Water resistant
- Flexible
- Increases tensile strength of mortars
- Excellent abrasion resistance
- Promotes high early strength in mortars
- Resistant to chlorides, alkalis, sulphates and mild acids
- Plasticising effect and reduced shrinkage of mortars
- Non-toxic - can be used in potable water situations
- Lower water/cement ratio
- Enhanced corrosion protection

APPLICATION SOLUTIONS

Enviro Prime WB is suitable for use in the following range of applications:

- Primer for waterproofing membranes
- Concrete bonding slurry
- Water resistant skim coat for damp surfaces
- Adhesion promoter for tile bed mortars
- Strength enhancing admixture for concrete repair mortars
- Render admixture

PRODUCT INFORMATION

Packaging: Enviro Prime WB is supplied in 1L, 4L and 15L drums.

Shelf life: Enviro Prime WB can be stored in its original tightly sealed container for 18 - 24 months if kept stored in a dry place out of direct sunlight and between 3°C and 35°C. Always check product quality before using after prolonged periods of storage. If unsure, please contact Envirosystems for advice.

COVERAGE

The coverage of Enviro Prime WB will depend upon the substrate and its condition.

Coverage rate when used as a primer: 5 - 8 m^2/L

CLEANING

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

PRIMERS

AUSTRALIAN MADE

Directions for Use

SUBSTRATE PREPARATION

All defective host substrate must be removed prior to application. Defective material includes cracked or structurally weakened surfaces and chloride contaminated and carbonated concrete. A concrete corrosion expert must be consulted for critical projects or structural applications. Host concrete must be roughened and aggregate exposed to ensure good bond. Removal of laitance is important to ensuring good bond. Shot-blasting, scarification, mechanical chipping or high-pressure water blasting may be used to achieve a recommended minimum CSP3 surface finish.

All surfaces must be free of dust, oils, and surface contaminants. This may require steam cleaning or high-pressure water blasting.

MIXING

Stir well before use regardless of intended use. If using Enviro Prime WB as an additive in mortars, renders, screeds etc. ensure a mechanical mixer is used and materials are mixed thoroughly to desired consistency. Hand mixing is not recommended.

APPLICATION

As a primer for waterproofing membranes: Dilute 1 part Enviro Prime WB with 1 part water and brush/roll out over surface, ensuring a consistent coverage across entire area to be membrane. Allow to dry before proceeding with waterproofing membrane application.

As an additive in bonding slurry: Mix 1 part Enviro Prime WB with 1 part (by volume) of cement and mix mechanically until a uniform consistency is achieved. Using a stiff brush and broom, apply the slurry mix to the pre-wet (no free water) surface, ensuring the bonding slurry is worked into the pores of the surface. Do not apply >2mm in thickness per coat.

As an additive for renders: Apply 1 or more coats of render over still wet bonding slurry coat to average thickness of 10mm per coat so to ensure render does not sag. Multiple coat renders can be applied in quick succession providing adequate formwork is in place.

Please consult Waterproofing Technologies for further information if additional render coats are to be applied >24 hours after the last coat.

As an additive in tile bedding compounds: Ensure substrate and back of tile are damp and apply bonding slurry. Then apply required thickness of mortar to back of tile using a mortar mix with 1 part Enviro Prime WB, 1 part water and cement to desired consistency and place firmly on wall or floor, ensuring full contact.

Remove excess mortar before drying and then leave to set. When setting height (thin beds) is an issue, tiles can be set in place with bonding slurry only.

As an additive for screeds and toppings: Mix 1 part Enviro Prime WB to 3 - 4 part water as the mixing liquid and mix with sand and cement to desire consistency. Place screed or topping over still wet bonding slurry.

For critical applications, mixing liquid ratios can be change to 1 part Enviro Prime WB to 1 part water to ensure increased adhesion, chemical resistance or vapour resistance.

As an additive in repair mortars: Mix 1 part Enviro Prime WB and 1 part water and then add sand and cement to desired consistency. Mixed repair mortar should be applied over still wet bonding slurry.

For further information regarding application of Enviro Prime WB or for Envirosystems.

IMPORTANT NOTES

Newly laid screeds, toppings, renders and mortars should be covered and protected from winds, cold weather and direct sunlight during cure. Rapid curing can result in shrinkage or insufficient strength. Expansion joints in substrates should be carried through into Enviro Prime WB modified mixtures. Prime WB mixtures should only ever be applied to damp surfaces.

If free or running water is present, this needs to be removed prior to application. Aggregate used in mixtures should be washed, and free from excessive amounts of fines. High Alumina cements are not recommended to be used with Prime WB. Such cement may not be compatible and may delay hardening/curing.

Product Data

PHYSICAL PROPERTIES

PROPERTY	
Form/Colour	White Liquid
Specific Gravity	1.01
Application	>5°C
Storage Temperature	>0°C
Toxicity	Non-Toxic

Contact Envirosystems

NEW SOUTH WALES - HEAD OFFICE

Ground Floor, 295 Princes Highway, St Peters NSW 2044 | info@envirosystems.com.au

QUEENSLAND

Unit 3, 28 Burnside Road, Yatala QLD 4207 | info@envirosystems.com.au

VICTORIA

49 Wood Street, Thomastown VIC 3074 | info@envirosystems.com.au

WESTERN AUSTRALIA

78 Discovery Drive, Bibra Lake WA 6163 | perth@envirosyetms.com.au

PHONE

1300 WATERPROOF (928 377)

HEALTH & SAFETY ADVICE

Always provides adequate ventilation and wears personal protective equipment during application. If swallowed, DO NOT induces vomiting. Give glass of water and seek medical assistance. Refer to the Safety Data Sheet for full safety and handling procedures.

NOTE: Safety Data Sheets are available upon request.

KEEP OUT OF REACH OF CHILDREN

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use of application and no warranty as to 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.

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NOTE: All products manufactured by Envirosystems comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.