

Enviro Epoxy B-NS

SOLVENT FREE, NON SAG, EPOXY MORTAR BINDER

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, bonds to a variety of substrates and performs well in the most demanding environments.

FEATURES AND BENEFITS

- Very low VOC
- Restores structural design strength
- Chemically resistant
- Excellent adhesion
- Waterproof
- Multi-purpose use

APPLICATION SOLUTIONS

Enviro Epoxy B-NS is a non-sag two part epoxy material that is suitable for use as an adhesive. It is used in conjunction with Enviro HP1200 as a direct adhesive material, and it can also be used to bind materials to cured membranes including polyurethane and epoxy.

- Concrete crack repair
- Spalling repair
- Water treatment and supply
- Adhesive for bonding to concrete
- Adhesive for immersed applications
- Production to non-sag mortars
- Waterproofing of damaged concrete
- Waterhouse floor repair
- Grouting of bolts and anchors

PRODUCT INFORMATION

Packaging: Enviro Epoxy B-NS is supplied in 30L kits proportioned ready for mixing.

Shelf life: Enviro Epoxy B-NS can be stored in its original sealed containers for up to 24 months when placed in a cool controlled environment. Once opened and resealed for later use, the shelf life could vary depending on storage conditions. Always check product quality before using after prolonged periods of storage. If under, please contact Envirosystems for advice.

CLEANING

Enviro Epoxy B-NS should be removed from all tools and equipment, prior to hardening with Enviro Thinners No. 1 or No. 7.

Observe all OH&S and Safety Data Sheet information pertaining to safe usage and handling of solvents. Cured material can only be removed mechanically.



REMEDIAL



AUSTRALIAN MADE

Directions for Use

SUBSTRATE PREPARATION

The surface must be clean, sound and free from all loose particles, including dust, laitance, grease or any other foreign matter. The 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.

For further information on substrate preparation or for project specific advice, please consult Enviro systems.

PRIMING

Priming may be required in certain circumstances, if required, apply Enviro Epoxy B-LV.

NOTE: For further information on applications that may require priming or for project specific advice, please consult Enviro systems.

MIXING

To mix, add Part B, paste hardener, to the Enviro Epoxy B-NS Part A base. Enviro Epoxy B-NS should be thoroughly mixed with a mechanical mixer at low speed with a suitable mixing paddle attached. Mix for 5 minutes or until uniform.

APPLICATION

Enviro Epoxy B-NS can be applied using a trowel or a squeegee. Apply sufficient material to completely fill the 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 600µm 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 polyurethanes, spray and epoxy Enviro systems. Refer to appropriate data sheet for application recommendations.

For further information regarding application of Enviro Epoxy B-LV or for project specific advice, please consult Enviro systems.

RECOAT

Enviro Epoxy B-NS generally can be recoated after allowing to cure overnight.

CURE

Floors coated with Enviro Epoxy B-NS can be open to pedestrian traffic generally 24 hours after curing of the final coat, and vehicular traffic after 3 days.

NOTE: The coating must be allowed to cure for 7 days at 25°C, before being subjected to chemicals.

COVERAGE

The consumption of Enviro Epoxy B-NS will depend on the type of substrate and its condition. Refer to Enviro systems for further advice.

Product Data

PHYSICAL PROPERTIES

PROPERTY	
Mix Ratio-Volume	2:1 resin to hardener
Specific Gravity	1.13:1
Pot Life	40 minutes
Tack Free Time	6 hours
Cure Time	24 hours
Application Temperature	5 to 35°C
Service Temperature	Up to 65°C
Compressive Strength	60MPa (6:1) quartz mortar



Contact EnviroSystems

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HEALTH & SAFETY ADVICE

Enviro Epoxy B-NS is non-hazardous according to Safe Work Australia criteria, however, as a precaution, always provide good ventilation when applying. Wash off splashes of material with clean water, wear gloves and eye protection. If irritation is experienced seek medical advice. 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.

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

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.