

Enviro Epoxy Grout 100

HIGH PERFORMANCE, FLUID EPOXY GROUT

Enviro Epoxy Grout 100 is a three-component, high strength, fluid epoxy grout, offering premium performance for structural applications. Enviro Epoxy Grout 100 is specially designed for pile and pile top encapsulation and for grouting where maximum flow is required. Enviro Epoxy Grout 100 when applied, will accept the application of most EnviroSystems spray and hand applied waterproofing membranes.

FEATURES AND BENEFITS

- ④ High strength
- ④ Long design life
- ④ Bonds to damp surfaces
- ④ High chemical resistance
- ④ High mechanical strength
- ④ Excellent flow

APPLICATION SOLUTIONS

Enviro Epoxy Grout 100 is a high-performance fluid epoxy grout system designed for applications where high strength and water tightness are required. Some applications where Enviro Epoxy Grout 100 can be used are as follows:

- ④ Pile and pile top encapsulation
- ④ Crane rails
- ④ Wharf pile repairs
- ④ Base plate and machinery grouting
- ④ Exterior grouting
- ④ Machinery with high dynamic loads and vibration

PRODUCT INFORMATION

Packaging: Enviro Epoxy Grout 100 is supplied in pre-proportioned 5.85L kits consisting of the following components: Part A – 3L, Part B – 1L, Part C – 5kg

Shelf life: Enviro Epoxy Grout 100 can be stored in its original sealed containers for 12 months, when placed in a cool environment out of direct sunlight. 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 unsure please contact EnviroSystems for advice.

COVERAGE RATES

The consumption of Enviro Epoxy Grout 100 will depend on weather, substrate conditions and application techniques.

Recommendations for external applications: 1m²/kit at a DFT of 5mm

CURING TIME

Enviro Epoxy Grout 100 can generally be recoated overnight cure. Special precautions need to be taken during exterior application to guard against water whitening.

CLEANING

Enviro Epoxy Grout 100 should be removed from tools and equipment immediately after use with Enviro Thinners No. 1 or Thinners No. 7. Hardened material may only be removed mechanically.



REMEDIAL



AUSTRALIAN MADE

Directions for Use

SUBSTRATE PREPARATION

All formwork should be constructed to be water tight as Enviro Epoxy Grout 100 is a fluid material. A release agent is also recommended for all contact points on formwork.

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

MIXING

In a suitable mixing vessel, add entire contents of Part A and Part B and mix thoroughly by mechanical stirrer until mixed material is uniform. Ensure all material around bottom and sides of mixing vessel is incorporated.

Once Part A and Part B are homogeneous, slowly add Part C while stirring and mix for a further 2 - 3 minutes ensuring a uniform mix is achieved. DO NOT aerate the mix by stirring too fast or for too long. Once mixed, use the material within the specified time. Material should be discarded after this time has elapsed.

For further information regarding application of Enviro Epoxy Grout 100 or for project specific advice please consult Enviro systems.

APPLICATION

Ensure the mixed material is within the usable life of the product as continuous flow is essential. Sufficient product must be available prior to starting. Ensure the time taken to place a mixed batch is regulated to the time taken to prepare the subsequent batch.

RECOAT

Ensure Enviro Epoxy Grout 100 is cured sufficiently before the application of any subsequent coating. Lightly abrade the Enviro Epoxy Grout 100 surface to remove all traces of formwork release agent and to provide a mechanical key for optimum adhesion. Membrane should be subjected to a site adhesion trial to ensure complete compatibility.

*For further information regarding Enviro Epoxy Grout 100 or for project specific advice, please consult Enviro systems.
customerservice@envirosystems.com.au*

Product Data

PHYSICAL PROPERTIES

PROPERTY	
Appearance	Cream paste
Pot Life	30 minutes @ 25°C
Cure Time	24 hours @ 25°C
Compressive Strength	62MPa @ 1 day 100MPa @ 7 days
Tensile Strength	16MPa
Volume Solids	100%
Brinell Hardness	36
Dielectric Strength	180kV/cm
Density (mixed)	1.6kg/L
Water Absorption	0.08% @ 14 days @ 20°C



Contact EnviroSystems

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PHONE

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HEALTH & SAFETY ADVICE

Enviro Epoxy Grout 100 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.