

Enviro Flex

2-Part Low VOC Reinforced Waterproofing Membrane



DESCRIPTION

Enviro Flex is a new low VOC cementitious, two part waterproofing membrane designed on fast setting cements mixed with a high solids water resistant polymer. Enviro Flex combines the fast drying and excellent adhesion characteristics of traditional 2-part membranes with the toughness, elongation and flexibility of modern liquid membranes. Enviro Flex is totally compatible with common ceramic tile adhesives.

FEATURES

- AS 4858 – Class III Membrane
- Fast Drying
- Flexible
- Very Low VOC Content
- Non-Toxic
- Direct Stick of Ceramic Tile Adhesives

TYPICAL USES

Enviro Flex is suitable for the following applications;

- Waterproofing of concrete and masonry from gas and water transmission
- Internal and external waterproofing
- Commercial and residential applications
- Application over timber, concrete, render, fibre cement and particle board
- Over tiling with traditional polymer modified ceramic tile adhesives

PHYSICAL PROPERTIES

Pack size	40 kg kit
Colour and Form	Grey/green slurry
Specific gravity	1.44 g/L mixed
Mix Ratio	1:1 by weight
Elongation at break	300%
Tensile strength	2 MPa at 28 days
Bond strength	1 MPa
Pot Life	25-30 minutes at 20°C
Set time	50-60 minutes
Minimum application temperature	10°C

SUBSTRATE PREPARATION

Surface is to be clean, and free from loose particles, dust, laitance, coatings and curing membranes. All timber-based substrates are to be securely fixed to manufacturer's instructions and fit for purpose. Drainage and falls are to be installed and all joints are to be appropriately sealed and allowed to cure. Concrete is to have a 28-day cure, render a 7-day cure and timber or composite substrates to be wet area grade.

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

customerservice@envirosystems.com.au

PRIMING

Apply 1 coat of Enviro Prime WB to the prepared substrate at a rate of 7 -10m²/L by brush or roller. Allow primer to fully cure before applying membrane (20 – 30 minutes depending on conditions).



APPLICATION

Mix full kits only. Add Part B to Part A slowly whilst mixing with a mechanical mixer for 5 minutes. Allow to stand 5 minutes and remix prior to applying. All joints, junctions, penetrations, upturn etc. or where movement is anticipated should be reinforced with woven polyester cloth minimum 190mm wide. Enviro Flex is to be painted onto the substrate, the cloth laid in and then thoroughly wet out with the membrane. Enviro Flex is to be applied in 2 coats to an average minimum dry film thickness of 0.8mm on walls and 1.2mm on floors.

NOTE: Do not apply membrane to any concrete that has received artificial curing compounds or has been coated.

NOTE: Enviro Flex is workable for 30 minutes at 20°C.

For further information regarding application of Enviro Flex or for project specific advice please consult EnviroSystems.

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COVERAGE

The consumption of Enviro Flex will depend upon substrate condition and type.

Coverage Rate – 1.7 – 2.5 litres / m²

OR 0.4 -0.6 m²/kg

CURE

Enviro Flex can generally be over coated in 2 hours depending on conditions. Curing time of 24 hours at 23°C/50% RH is recommended prior to tiling. Newly waterproofed shower recesses should not be used for 3 – 5 days after installation to allow adequate cure.

NOTE: Do not apply externally if rain is anticipated within 2 hours of application.

PACKAGING & COLOURS

Enviro Flex is supplied in a 40kg kit.

CLEANING

For easy removal of Enviro Flex from tools and surfaces wash with water. Do not allow to harden on tools.

SHELF LIFE

Enviro Flex can be stored in its original sealed containers for 12 months, when placed in a cool dry 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 unsure, please contact EnviroSystems for advice.

HEALTH & SAFETY ADVICE

Enviro Flex 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 by emailing customerservice@envirosystems.com.au

We're here to help you!

It is a good idea to keep a journal of your waterproofing job, whether big or small.

- Take pictures at all stages of your work, including preparation
- Record the quantity and description of products used with corresponding batch numbers
- Record dates and times of when you applied products, from start to finish

Please do not hesitate to contact us for any questions you may have.

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