

Enviro 200P Ultra

Ultra-flexible Modified PU Membrane

DESCRIPTION

Enviro 200P Ultra is an ultra-flexible, Class III, urethane-modified waterproofing membrane formulated on a water-based cross-linked copolymer system. It is designed for internal use under tiles and for a range of water tank applications.

CLASSIFICATION

AS/NZS 4858:2004 – Internal Wet Area Membrane, Class III

AS 4654.1:2012 – External Membrane (non-exposed), Class III

Green Star – Compliant, Design and As Built v1.2, Section 13.1.1

AREAS OF USE

SURFACES: Walls and floors to be covered with tiles or other protective wearing surfaces – concrete, renders and screeds, fibre cement, wet-area plasterboard and plywood, and particle board.

AREAS: Internal wet areas – bathrooms, kitchens, and laundries.

FEATURES & BENEFITS

- Fast drying
- Water-based, easy clean-up
- Very low VOC
- Excellent vertical hold-up
- Excellent crack bridging – no reinforcing fabric required.
- Modified polyurethane eliminates re-emulsification.
- Outstanding elongation (1400%)

PRODUCT INFORMATION

Packaging	4L and 15L Pails
Colour	Grey
Shelf Life	12 months in original sealed containers
Storage Conditions	Store in dry conditions, protected from direct sunlight, between 5°C and 35°C.
Compatible Primers	Enviro Prime WB Enviro Shield Enviro Epoxy B-LV
Compatible Sealants	Enviro Flex MS GP
Compatible Coatings	Enviro 250 NS

Compatible Accessories	Enviro Joint Band Enviro Wall Sleeve Enviro Cloth Tape Black
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PHYSICAL PROPERTIES

Property	Test Method	Test Result
VOCs	ASTM D3960	40 g/L
Elongation	AS 1145.3	1400%
Tensile Strength	AS 1145.3	0.93 MPa
Water Vapour Transmission	ASTM E96	2.52 g/m ² /24 hours
Bond Strength	ASTM C794	119.0 N
Water Absorption	AS 3558.1	<2.8%
Heat Ageing	AS 4858 Table A1	Pass
Cyclic Movement	CSIRO joint test	Pass
Temperature Resistance	AS 4654.1 Cl. 2.6	No cracking, crazing or surface defects (35°C)

COVERAGE RATE

Application	Litres/m ²	Coats	Finished DFT
Internal Wet Area Walls	1.0	1	0.6mm
Internal Wet Area Floors	0.75	2	1.0mm

Litres/m² per coat. Approx. 15m² per pail on walls and 20m² per pail per coat on floors.

SUBSTRATE PREPARATION

All defective host substrate must be removed prior to application, including cracked or structurally weakened surfaces and chloride-contaminated or carbonated concrete. A concrete corrosion expert must be consulted for critical projects or structural applications.

Roughen host concrete with aggregate exposed and laitance removed, to a minimum CSP3 profile, by shot-blasting, scarification, mechanical chipping, or high-pressure water blasting. All surfaces must be dry and free of dust, oils, and contaminants; this may require steam cleaning or high-pressure water blasting.

Enviro 200P Ultra is suitable for use over:

- New concrete – cured min. 28 days, under 4.5% moisture (gravimetric



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method)

- Fibre cement sheets – walls (min. 6mm)
- Renders and screeds – cured min. 7 days, under 4.5% moisture (gravimetric method)
- Compressed fibre cement (min. 15mm)
- Plasterboard walls – wet area grade only (min. 10mm)
- Plywood (PAA) – wet area grade only

Priming: Substrate condition will dictate primer selection. New surfaces under 4.5% moisture – apply one coat of Enviro Prime WB. Renders, screeds, and damp surfaces – apply one coat of Enviro Shield.

Bond Breaking: Apply Enviro Flex MS GP to form a smooth 12mm cove internally or 15mm externally to all corners, penetrations, and joints, then apply Enviro Cloth Tape Black over the skinned sealant. Alternatively, install Enviro Joint Band where greater movement is expected.

APPLICATION

Mixing: Mix thoroughly with a mechanical mixer at low speed (less than 200 rpm).

Application: Apply by brush, roller, or squeegee to the required DFT, generally in 2 coats, at temperatures between 10°C and 35°C and no more than 85% RH. Ensure shower areas receive sufficient thickness and are free of pinholes.

In hot weather, avoid extreme temperatures and work in the morning or evening once the substrate has cooled; shade the work area and keep product out of direct sun. In cold weather, keep all products stored out of the cold. In high humidity and wet weather, do not apply when rain is imminent; use tents or protection to cover work areas. Follow the minimum requirements of the NCC and relevant Australian Standards.

Temperature	Min. Recoat	Max. Recoat	Full Cure
10°C @ 50% RH	>24 hours	72 hours*	7 days
23°C @ 50% RH	3–4 hours	72 hours*	7 days
30°C @ 50% RH	<3 hours	72 hours*	7 days

**If the 72-hour recoat window is exceeded, clean and prime with Enviro Epoxy B-LV or Enviro Shield.*

Direct Tiling: Ensure the membrane is sufficiently dry – allow at least 24 hours after the last coat.

Screed / Mortar Bed: Allow at least 24 hours before screed placement and take care not to damage the membrane. Allow a mortar bed to cure for at least 7 days before waterproofing over it.

Topcoat: Can be coated with Enviro 250 NS after the membrane has cured

for at least 24 hours (maintenance-access areas only).

For applications or situations not covered above, contact EnviroSystems technical support.

CLEANING

Clean tools and surfaces immediately with water. If dried, remove physically or soak in detergent and water. Cured material may only be removed mechanically.

LIMITATIONS

- Do not apply in rain or if bad weather is imminent.
- Do not apply to damp or contaminated surfaces or directly over protective coatings.
- Not for use as an exposed or UV-stable coating.
- Do not allow the product to freeze.

HEALTH & SAFETY ADVICE

Enviro 200P Ultra is non-hazardous according to Safe Work Australia criteria. As a precaution, always provide good ventilation when applying. Wash off splashes with clean water and wear gloves and eye protection. If irritation is experienced, seek medical advice. Refer to the Safety Data Sheet for full safety and handling procedures.

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 or 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 project.

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.



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