

Enviro Prime P2

Solvent-free Fast-cure Polyurethane Primer

DESCRIPTION

Enviro Prime P2 is a solvent-free, two-component, fast-cure polyurethane primer that provides a strong adhesive bond to construction materials.

CLASSIFICATION

Green Star – Compliant

AREAS OF USE

SURFACES: Concrete, block, render, timber, fibre cement sheeting, cross-laminated timber, glass-reinforced concrete.

AREAS: Wet areas, podiums, green roofs, rooftops, car parks, stadiums, balconies, planter boxes, retaining walls and cut-and-cover tunnels.

FEATURES & BENEFITS

- Green Star compliant
- Bonds to concrete, mineral substrates, and coated metal
- Solvent-free

PRODUCT INFORMATION

Packaging	10L Kit (Red) – Part A 7.2L / Part B 2.8L
Mix Ratio	2.2 : 1 by Weight; 2.57 : 1 by Volume (A : B)
Shelf Life	12 months in original sealed containers
Storage Conditions	Store in dry conditions, protected from direct sunlight, between 0°C and 35°C.
Compatible Membranes	Enviro 700X Enviro 1000X Enviro HP1200 Enviro HP1600 Enviro HP1200 AC
Compatible Coatings	Enviro 900 IC Enviro 950 TC

PHYSICAL PROPERTIES

Property	Test Method	Test Result
VOCs	ASTM D3960	1 g/L
Tensile Strength	AS 1145.3	10 MPa
Elongation	AS 1145.3	50%

Property	Test Method	Test Result
Pot Life	AS 1145.3	15 minutes
Tensile Bond Strength	–	>3 MPa (cohesive failure in concrete)

COVERAGE RATE

Application	Litres/m ²	Coats	Finished DFT
All Applications	0.125	1	125 µm

Approx. 80m² per kit.

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, or mechanical chipping. All surfaces must be dry and free of dust, oils, and contaminants.

- New concrete – cured for min. 28 days and under 4.5% moisture (gravimetric method)
- Renders and screeds – cured for min. 7 days and under 4.5% moisture (gravimetric method)

NOTE: Substrate moisture content measured using gravimetric testing, as measured using a Tramex CME 4 Moisture Meter.

APPLICATION

Mixing: Enviro Prime P2 has a mix ratio of 2.2:1 by weight and 2.57:1 by volume (A:B). Mix Part A and Part B separately first. The kit is pre-weighed, so always add all of Part B to the entire Part A. Mix with a mechanical mixer at low speed (less than 400 rpm) for at least one minute before application.

Application: Apply immediately by squeegee, roller, or brush to the prepared substrate, then back-roll with a medium-nap roller to fill substrate voids. Extremely porous substrates may need 2 coats to fully seal the surface – confirm by site trial. On very rough surfaces, apply by roller; consumption will increase, and any pools of primer must be removed. Take extra care to ensure all substrates are dry. Broadcast selected aggregate into the wet primer for extra mechanical adhesion and holdup of the subsequent topcoat. Allow each coat to dry sufficiently before the next – thicker coats take longer. Apply at substrate temperatures between 5°C and 35°C, following the minimum requirements of the NCC and relevant



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Australian Standards.

Overcoating: See the curing table below. If the overcoat window is exceeded, clean and dry the surface, reactivate with Enviro Thinner No. 1, and apply a light coat of Enviro Shield before the next membrane. A small site adhesion test is recommended.

Temperature	Light Foot Traffic	Min. Overcoat	Max. Overcoat	Full Cure
10°C @ 50% RH	24 hours	16 hours	96 hours	7 days
15°C @ 50% RH	16 hours	8 hours	72 hours	7 days
25°C @ 50% RH	12 hours	4 hours	72 hours	7 days

Temperature and humidity affect cure rate. Use the table as a guide only; substrate temperature, enclosed environments and wind can also influence cure.

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 stored out of direct sunlight. 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.

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

CLEANING

Clean tools and equipment before hardening with Enviro Thinner No. 1 or Enviro Thinner No. 7. Cured material can only be removed mechanically.

LIMITATIONS

- Do not apply in rain or if wet weather is imminent.
- Do not apply to damp or contaminated surfaces or directly over protective coatings.
- Moisture in concrete must be less than 4.5%.
- Not for use as an exposed or UV-stable coating.
- Do not allow the product to freeze.

HEALTH & SAFETY ADVICE

When using Enviro Prime P2, always provide adequate ventilation and wear appropriate personal protective equipment (PPE). Avoid contact with skin and avoid breathing vapours. Wear protective eyewear. If inhalation effects occur, remove to fresh air. If discomfort persists, any breathing difficulties occur or if swallowed, seek medical attention. 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 Enviro systems, either verbally or in writing may be followed, modified, or rejected by the owner, engineer, or contractor since they, and not Enviro systems, are responsible for carrying out procedures appropriate to a specific project.

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

CONTACT ENVIROSYSTEMS

General Enquiries

info@envirosystems.com.au | 1300 WATERPROOF (1300 928 377)

New South Wales – Head Office

Ground Floor, 295 Princes Hwy, St Peters NSW 2044 |
nswsales@envirosystems.com.au

Queensland

Unit 3, 28 Burnside Rd, Yatala QLD 4207 | qldsales@envirosystems.com.au

Victoria

49 Wood St, Thomastown VIC 3074 | vicsales@envirosystems.com.au

Western Australia

78 Discovery Dr, Bibra Lake WA 6163 | wasaales@envirosystems.com.au



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