

Enviro 250 NS

Water-based Non-slip Exterior Trafficable Coating

DESCRIPTION

Enviro 250 NS is a water-based, protective, UV-resistant, non-slip and wear-resistant coating for external use, formulated on a water-based silane cross-linked copolymer system. It dries quickly to form a tough, flexible film with good adhesion.

As a topcoat, it improves the wear and UV resistance of Enviro 200P Ultra and Enviro 500 EXT. It can also be applied directly to primed concrete and other surfaces as a pedestrian-trafficable non-slip coating and is an integral part of the Enviro Light Pedestrian Trafficable System.

CLASSIFICATION

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

AS 4586:2013 – Slip resistance P5 (wet pendulum)

AREAS OF USE

SURFACES: Suitably primed concrete, masonry, and timber.

AREAS: Podiums, balconies, decks, plant and mechanical room floors, ramps, steps, pathways, and patios.

FEATURES & BENEFITS

- UV-resistant
- Abrasion resistant to pedestrian traffic
- Excellent non-slip properties – aggregate included.
- Protective topcoat
- Fast drying
- Water-based, low odour
- Simple single-component application; easily recoated and maintained.
- Easy clean-up

PRODUCT INFORMATION

Packaging	15L Pail
Colour	Grey
Shelf Life	12 months in original sealed containers
Storage Conditions	Store in dry conditions, protected from direct sunlight, between 5°C and 30°C.
Compatible Primers	Enviro Shield Enviro Prime SB
Compatible Membranes	Enviro 200P Ultra Enviro 500 EXT

Compatible	Enviro Flex PU PRO
Sealants	Enviro Flex PU FC

PHYSICAL PROPERTIES

Property	Test Method	Test Result
VOCs	ASTM D3930	41 g/L
Volume Solids	Internal	52%
Tensile Strength	AS 1145.3	2.2 MPa
Elongation	AS 1145.3	140%
Shore A Hardness	AS 1683.15.2	80 ± 5
Slip Resistance (Wet Pendulum)	AS 4586:2013	P5
Taber Abrasion	ASTM D4060	1000 cycles – Pass

COVERAGE RATE

Application	Litres/m ²	Coats	Finished DFT
External applications	1.2	2	0.6mm

Approx. 12.5m² per pail; WFT per coat 0.6mm. Coverage depends on weather and substrate conditions.

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 on critical projects or structural applications.

Roughen host concrete to a minimum CSP3 profile and remove laitance. Fill any depressions that allow water to pond and ensure good drainage. Apply Enviro Flex PU PRO or Enviro Flex PU FC (and allow to cure) to all joints and cracks. Mechanical abrasion is recommended for pedestrian traffic applications.

Enviro 250 NS is suitable for use over:

- New concrete – cured for min. 28 days and under 4.5% moisture (gravimetric method)
- Fibre cement sheets – walls (min. 6mm)
- Renders and screeds – cured for min. 7 days and under 4.5% moisture (gravimetric method)
- Compressed fibre cement (min. 15mm)
- Plasterboard walls – wet area grade only (min. 10mm)



Enviro 250 NS

Water-based Non-slip Exterior Trafficable Coating

- Enviro 200P Ultra
- Enviro 500 EXT

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

Priming over concrete: Apply Enviro Shield to preferably dry concrete cured for at least 28 days and allow 24 hours to cure. Enviro Shield must form a continuous, pinhole-free film of at least 160 µm DFT before Enviro 250 NS is applied. Enviro Prime SB may be used where there is good drainage, no substrate moisture, no waterproofing requirement, or where the surface requires binding.

Over Enviro 200P Ultra or Enviro 500 EXT: Allow the membrane to cure for at least 24 hours before top coating. This system is only for areas where foot traffic is rare, e.g., building maintenance access.

APPLICATION

Mixing: Mix thoroughly with a mechanical mixer at low speed (less than 400 rpm) before application.

Application: Apply by roller, preferably 6mm nap. Do not apply as one heavy coat; apply each coat at 90° to the previous. Apply at air temperatures between 10°C and 35°C and no more than 85% RH. Ensure all areas receive sufficient coating thickness and are free of pinholes.

Overcoating: Can be recoated after 3–4 hours at 25°C / 50% RH with good airflow. After a prolonged period, pressure-wash with detergent, rinse, and prime with a thin coat of Enviro Shield.

Temperature	Min. Recoat	Max. Recoat	Full Cure
10°C @ 50% RH	>24 hours	48 hours*	7 days
25°C @ 50% RH	3–4 hours	48 hours*	7 days
30°C @ 50% RH	<3 hours	48 hours*	7 days

**If the 48-hour recoat time is exceeded, clean and prime with Enviro Shield.*

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.

Minimum application requirements set forth by the NCC, and relevant Australian Standards should be followed. A regular inspection and maintenance plan must be adopted from the date of commissioning to identify and rectify localised point damage.

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

CLEANING

Clean tools and surfaces immediately with water before the product dries.

LIMITATIONS

- Do not apply in rain or if wet weather is imminent.
- Do not apply to damp or contaminated surfaces or directly overprotective coatings.
- Do not allow the product to freeze.

HEALTH & SAFETY ADVICE

Enviro 250 NS is non-hazardous according to Safe Work Australia criteria. However, as a precaution, it always provides 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.



Enviro 250 NS

Water-based Non-slip Exterior Trafficable
Coating



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 | wasales@envirosystems.com.au



COATINGS

PAGE 3 OF 3