

Enviro 950 TC

Two-component Polyaspartic UV-resistant Trafficable Topcoat

DESCRIPTION

Enviro 950 TC is a two-component, 100% solids aliphatic polyurethane UV-resistant coating, designed using the latest generation polyurethane technologies. It provides a durable, tough topcoat for systems over concrete and for areas of high wear.

Enviro 950 TC is an integral component of the Enviro Trafficable Systems, where structures require waterproofing and are subject to vehicular traffic.

CLASSIFICATION

ASTM G154 – UV-resistant

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

AREAS OF USE

SURFACES: Suitably primed concrete, block, render, timber, fibre cement sheeting, cross-laminated timber, glass-reinforced concrete, and particle board.

AREAS: Car park decks, loading bays, marine environments, multistorey buildings, pontoons, bridge decks, balconies, and platforms.

FEATURES & BENEFITS

- Flexible
- UV-resistant
- Tough and hard wearing
- Low VOC
- Rapid curing

PRODUCT INFORMATION

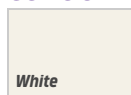
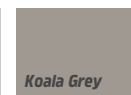
Packaging	10L Kit – Part A 3.84L / Part B 5.96L / Colour Pack 700mL
Colour Packs	White, Neutral Grey, Koala Grey, Dark Grey and Black – see Colour Range
Shelf Life	12 months in original sealed containers. Once opened and resealed, shelf life may vary depending on storage conditions.
Storage Conditions	Store in dry conditions, protected from direct sunlight, between 5°C and 35°C.
Compatible Primers	Enviro Prime P2 Enviro Epoxy B Enviro Epoxy B-LV Enviro Prime 789

Compatible Membranes	Enviro HP1200 Enviro 700X Enviro 1000X
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Compatible Sealants	Enviro Flex PU FC
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Compatible Coatings	Enviro 900 IC
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COLOUR RANGE

				
White	Neutral Grey	Koala Grey	Dark Grey	Black
AS 2700 N14	AS 2700 N23	AS 2700 N45	AS 2700 N64	AS 2700 N61

Colours shown are a guide only and may vary with surface texture, preparation, and application. Select the final colour from a site-applied sample on the actual surface. Colours can be matched to the Dulux® range on request, subject to minimum order quantities, lead times and applicable terms and conditions.

PHYSICAL PROPERTIES

Property	Test Method	Test Result
Technology	–	Polyaspartic
VOCs	SCAQMD Method 304-91	77 g/L
UV Resistance	ASTM G154 (UVB/313)	QUV 1000 hours
Volume Solids	–	100%
Shore D Hardness	–	50–70
Elongation	–	80%
Abrasion Resistance (H22)	ASTM D4060	130mg average loss
Cure Time (Foot Traffic)	–	2 hours
Pot Life @ 25°C	–	30–35 minutes

COVERAGE RATE

Application	Litres/m ²	Coats	Finished DFT
External Applications	0.23 per coat	2	440 µm

WFT per coat: 220 µm; 40–50m² per kit per coat. Coverage depends on weather and substrate conditions. WFT gauges are available from



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Envirosystems on request.

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.

Host concrete must be roughened with aggregate exposed and laitance removed. Shot-blasting, scarification, mechanical chipping, or high-pressure water blasting may be used to achieve a minimum CSP3 surface profile. Apply Enviro Flex PU FC (and allow to cure) to all joints and cracks prior to application.

Enviro 950 TC 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. 10 mm)
- Enviro HP1200 (contact Envirosystems)
- Enviro 900 IC (contact Envirosystems)

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

Priming: Substrate condition will dictate primer selection. On bare substrate, apply a compatible primer before the topcoat.

Compatible Primer	Min. Overcoat	Max. Overcoat
Enviro Prime P2	4 hours	72 hours
Enviro Epoxy B	6 hours	72 hours
Enviro Epoxy B-LV	6 hours	72 hours
Enviro Prime 789	1 hour	24 hours

Enviro Shield is NOT a suitable primer. Overcoat times at 25°C / 55% RH.

Over membranes: If overcoating Enviro HP1200 or Enviro 700X outside the overcoat window below, or over aged membrane, abrade, clean, and activate with Enviro Thinner No. 1, apply Enviro Prime P2, then apply the topcoat within 3 days.

Compatible Membrane	Min. Overcoat	Max. Overcoat
Enviro HP1200	10 minutes	3 hours

Compatible Membrane	Min. Overcoat	Max. Overcoat
Enviro 700X	12 hours	48 hours

APPLICATION

Mixing: Pour the colour pack into Part B and mix for 3 minutes at 300 rpm. Add Part A and mix for a further 3 minutes at 300 rpm. Allow you to rest for 1 minute before use.

Application: Apply with a short-nap (5–6mm) lint-free mohair roller. Do not apply in damp or wet conditions or below 5°C, as curing will be delayed. Allow each coat to dry sufficiently before applying the next.

Temperature	Light Foot Traffic	Min. Recoat	Max. Recoat	Full Cure
10°C @ 50% RH	4 hours	4 hours	48 hours*	7 days
15°C @ 50% RH	3 hours	3 hours	24 hours*	7 days
25°C @ 50% RH	2 hours	2 hours	24 hours*	7 days

**If the maximum recoat time is exceeded, abrade and reactivate with Enviro Thinner No. 1, apply Enviro Prime 789, then apply the topcoat within 1–24 hours.*

Over Aged Enviro 800 TC or Enviro 850 TC: Enviro 950 TC can be applied over existing, ageing Enviro 800 TC or Enviro 850 TC topcoats. First abrade, clean, and activate the existing surface with Enviro Thinner No. 1, apply Enviro Prime P2, then apply Enviro 950 TC within 3 days.

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 Enviro Thinner No. 8 before the product dries. Observe all safety information and the SDS relating to the safe use and handling of solvents.



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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.
- Do not allow the product to freeze.

HEALTH & SAFETY ADVICE

When using Enviro 950 TC, 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 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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