



# ENVIRO 800 TC



**COATINGS**

## NON-YELLOWING 2-COAT TRAFFICABLE POLYURETHANE COATING

### DESCRIPTION

Enviro 800 TC is a two-pack and two-coat, flexible, non-yellowing trafficable polyurethane coating. Enviro 800 TC is designed to provide a durable, tough, topcoat for systems over concrete, and for areas of high wear such as roads and bridge decks. Enviro 800 TC is an integral component of the Enviro Trafficable Systems, where structures require waterproofing and experience vehicular traffic.

### COMPLIANCE

ASTM G154 UV RESISTANT

GREEN STAR COMPLIANT

Design and As Built v1.2, Section 13.1.1

### AREAS OF USE

**SURFACES:** Can be applied to suitably primed substrates including concrete, block, render, timber, fibre cement sheeting, cross laminated timber, glass reinforced concrete and particle board.

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

### FEATURES & BENEFITS

- Flexible
- UV Resistant
- Tough
- Low VOC
- Non-Yellowing
- Rapid Curing

### PRODUCT INFORMATION

**Packaging** Available in 20 litre kits [ Assorted Colours upon Request].

**Shelf Life** Enviro 800 TC can be stored in its original sealed containers for 12 months. 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.

**Storage Conditions** Enviro 800 TC should be stored in dry conditions, where it is protected from direct sunlight and at temperatures between +5 °C and +35 °C.

### COVERAGE RATE

Type	Litres /m <sup>2</sup>	m <sup>2</sup> /kit	WFT per Coat	Number of Coats	Finished DFT (all coats)
All Applications	0.08	75	300 µm	2	300 µm

NOTE: WFT = Wet Film Thickness. DFT = Dry Film Thickness.  
WFT Gauges are available from EnviroSystems upon request.  
Coverage dependent on weather and substrate conditions.

### CURING TIME

Temperature (at 50%RH)	Handle- hrs	Min. Recoat - hrs.	Max. Recoat - hrs.	Full cure - days
10°C	16	16	Open ended*	10 days
15°C	12	12	Open ended*	7 days
25°C	10	10	Open ended*	7 days

If overcoat, time is expected to exceed 24 hours. It is recommended to broadcast into the first coat to ensure intercoat bonds. Variations in temperature and humidity can affect the cure rate of the coating. The above chart should be used as a guide only to determine the approximate rate of cure. Other factors can also influence the cure rate such as substrate temperature, enclosed environments and wind conditions.

### PHYSICAL PROPERTIES

Property	Test Method	Test Result
Volatile Organic Compounds	SCAQMD Method 304-91	200 grams/litre
UV Resistance	ASTM G154 (UVB/313)	QUV 1000hrs
Volume Solids	Internal	47%
Touch Dry	--	40-50 minutes



## DIRECTIONS FOR USE

### SUBSTRATE PREPARATION

Surfaces must be clean, dry and free from contamination such as dust, laitance, grease, coatings and curing compounds. Grit blast, scarify or mechanically abrade substrate to remove laitance, loose material and surface contaminants. Remove all sharp edges including screws, nails and concrete/mortar projections. Apply Enviro Flex Pro or Enviro Flex FC or Enviro Flex FL (and allow to cure), to all joints, cracks etc. prior to the application of Enviro 800 TC. Enviro 800 TC is suitable for use on the following substrates:

- 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 HP1200 – (contact EnviroSystems for further information)
- Enviro 900 – (contact EnviroSystems for further information)

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

### PRIMING

**NOTE:** Substrate condition and other requirements will dictate primer selection. Ensure that the relevant data sheet is read in conjunction with the application.

**Enviro Trafficable System:** When applying directly over existing EnviroSystems membranes such as Enviro HP1200 & Enviro 900 prime with Enviro Prime P2 and Enviro Epoxy B-LV (refer to technical department).

**Bare Substrate:** Apply Enviro Prime P2 to bare substrate prior to application of Enviro 800 TC. Apply Enviro Shield to the bare substrate subject to rising damp.

### MIXING

Mixing by way of 4:1 mix ratio (A:B) by volume. Enviro 800 TC should be thoroughly mixed with a mechanical mixer at low speed (less than 400 RPM) prior to application. Add Part B to Part A and mix to a uniform colour and consistency for a minimum of 3 minutes. Allow to react for 10 minutes before application.

### APPLICATION

Use short nap (5-6 mm) mohair roller lint free. Do not apply in damp or wet conditions. Do not apply at low temperatures < 10°C, as curing will be delayed.

**NOTE:** Allow each coat to sufficiently dry before proceeding to the next coat. A thicker coat will take longer to dry. Please see Coverage Rate table for further details. Minimum application requirements set forth by the NCC and relevant Australian Standards should be followed when applying EnviroSystems products. General maintenance procedures and a regular inspection and maintenance plan must be adopted from the date of commissioning to identify and rectify localised point damage.

In hot weather, avoid extremes and work in the morning or evening once substrate has cooled. Shade the work area, and keep product stored in cool conditions out of direct sunlight.

In cold weather, keep all products stored out of the cold, especially products not intended to be frozen. Warming materials to around 30°C can help but products may react to the substrate temperature rapidly when applied. Use heated tents around work areas.

In high humidity and wet weather, do not apply when rain is imminent. Check the forecasts. Use tents or protection to cover areas to be worked on.

### RECOAT

Enviro 800 TC can be recoated after 16-24 hours depending on temperature conditions. Preferably, apply at 90° to the direction of the previous coat. If there is uncertainty about the conditions, allow longer drying time.

### CLEANING

For easy removal of Enviro 800 TC from tools and surfaces immediately clean with Enviro Thinner No. 8 before it has time to dry. Observe all OH&S and safety data sheets (SDS) information pertaining to safe usage and handling of solvents.

### LIMITATIONS

Product must not be applied in rain or if wet weather is imminent. Do not apply to damp or contaminated surfaces or directly over protective coatings. Do not allow product to freeze.

### HEALTH & SAFETY ADVICE

When using Enviro 800 TC always provides adequate ventilation and wear appropriate personal protection equipment (PPE) during use. Avoid contact with skin. 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 safety data sheet (SDS) for full details.

### KEEP OUT OF REACH OF CHILDREN

### WE ARE 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
- Record all relevant SDS

Please do not hesitate to contact us for any questions you may have on **1300 WATERPROOF** (1300 928 377) or via email at:

**customerservice@envirosystems.com.au.**

### 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 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.

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