



Enviro 700X-GC

Low Odour High Performance Polyurethane Waterproofing Membrane



DESCRIPTION

Enviro 700X-GC is an Australian Made, single component, low odour, moisture cured polyurethane elastomer waterproofing system. Enviro 700X-GC, once applied on vertical or horizontal applications, both internally and externally forms a seamless, durable and flexible membrane which protects structures from water penetration.

FEATURES

- Low odour
- Low VOC content
- Australian Made & Designed
- High performance system suitable for a wide range of applications
- Suitable for green concrete
- Seamless & durable
- Immersion tolerant
- Remains flexible at low temperatures
- Chemically resistant
- AS/NZS 4858:2004 Class 3 Approved
- Complies and tested to AS4654.1

TYPICAL USES

Enviro 700X-GC is suitable for use on a variety of substrates including green concrete, freshly filled block and render. Enviro 700X-GC, once applied produces a seamless, impervious, and durable waterproof membrane suitable for industrial, commercial and residential applications.

- Green concrete
- Podiums
- Basement walls
- Retaining walls
- Lift pits

PHYSICAL PROPERTIES

| | |
|------------------|------------------------|
| Colour | Grey |
| Tensile Strength | >25 kg/cm ² |
| Elongation | >600% |
| Shore A Hardness | 70±5 |
| Solids Content | 90±3% |
| Tear Strength | >15kg/cm |

SUBSTRATE PREPARATION

Surfaces must be clean and free from contamination such as dust, laitance, grease, coatings and curing compounds. Remove all sharp edges including screws, nails and concrete/mortar projections.

Apply Enviro Flex Pro or Enviro Flex FC (and allow to cure), to all joints, cracks etc. prior to the application of Enviro 700X-GC.

Enviro 700X-GC is suitable for use over the following substrates:

- Green Concrete
- Fibre Cement Sheets - Walls (min. 6mm)
- Renders and Screeds - Cured for min. 7 days
- Compressed Fibre Cement (min. 15mm)
- Plasterboard walls - Wet area grade only (min. 10mm)
- Filled Concrete Blocks

For further information on substrate preparation or for project specific advice, please consult EnviroSystems.

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PRIMING

Substrate condition and other requirements will dictate primer selection.

Enviro Prime SB or a diluted coat of Enviro 700X-GC (diluted 15% with Thinner No.1 (v/v) can be used to prime dry masonry surfaces such as concrete slabs and renders in non-exposed areas such planter boxes, retaining walls and under tiles.

Enviro Prime P2 or **Enviro Epoxy B-LV** (substrate dependant) is recommended for use when Enviro 700X-GC is used in exposed UV applications or when pedestrian traffic is expected.

Enviro Shield can be used as an alternative primer for damp masonry surfaces in non-exposed and exposed applications.

Enviro Epoxy B-LV is recommended for applications on green concrete or freshly filled concrete blockwork.

NOTE: For further information on applications that may require priming or for project specific advice, please consult EnviroSystems.

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BOND BREAKING

Apply Enviro Flex Pro or Enviro Flex FC to form smooth, 12mm flexible cove to all internal corners, penetrations and joints. Allow to cure prior to application of Enviro 700X-GC. Alternatively, install Enviro Joint Band to wall/floor joints and corners, where greater movement is anticipated, or a premium solution is required.

MIXING

Enviro 700X-GC should be thoroughly mixed with a mechanical mixer at low speed (less than 400 RPM) prior to application.

APPLICATION

Enviro 700X-GC is to be applied using brush, roller or squeegee and is generally applied to the required Dry Film Thickness (DFT) in 2 coats. Please see application rates table.

NOTE: Allow product to cure for 12 hours before recoating. Care should be taken when walking over newly installed Enviro 700X-GC to ensure the membrane is not damaged. If damage occurs, consult EnviroSystems Technologies for recommended repair methods.

For further information regarding application of Enviro 700X-GC or for project specific advice please consult EnviroSystems.

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RECOAT

Enviro 700X-GC can be recoated after allowing the product to cure for at least 12 hours depending on weather conditions.

APPLICATION RATES

| Type | Rate WFT | Rate DFT | Number of Coats |
|----------------------|----------|----------|-----------------|
| External Application | 1.6mm | 1.5mm | 2 |

NOTE: WFT = Wet Film Thickness
DFT = Dry Film Thickness

WFT Gauges are available from EnviroSystems upon request.

OVERCOATING

Direct Tiling – If tiling directly to Enviro 700X-GC, after achieving the required dry film thickness, it is recommended that an additional thin coat of Enviro 700X-GC be applied and broadcast with aggregate at a rate 0.5kg/m² to promote adhesion. Typically, the optimum tiling window is 24-72hrs.

Screed / Mortar Bed – Care should be taken to prevent any damage to the membrane during screed / mortar bed placement. It is the responsibility of the screed / mortar bed installer to determine the design, strength, thickness etc. of screed / mortar bed. Typically, the optimum screed placement window is 24-72hrs.

Below Ground – Areas such as retaining walls, basement walls and planter boxes should be installed as per normal recommendations and allowed to dry for a minimum 24 hrs. Once dry, it is recommended that the membrane be protected before soil placement with corflute and filtered drainage cell. Where possible, it is recommended that drainage pipe and aggregate be placed to allow water to freely drain.

Exposed UV Areas – For external use where a non-yellowing aesthetic finish is required, it is recommended that a suitable UV topcoat such as Enviro 250NS be applied. For light pedestrian traffic (maintenance) these UV topcoats can be broadcast with aggregate for a textured slip reducing finish.

Pedestrian Traffic – Refer to the Enviro Trafficable product data sheet for areas where regular pedestrian traffic is expected.

Maintenance Traffic (Pedestrian) – For internal areas that are not exposed to UV such as plant rooms floors, Enviro 700X-GC can be applied and broadcast with aggregate (to required slip resistance) when light maintenance traffic is expected.

Soft & Hard Landscape – When Enviro 700X-GC is installed to areas being covered with hard landscaping materials such as ballast, rocks, stone etc., it is recommended that filtered drainage cell be placed over the cured Enviro 700X-GC prior to hard landscape placement.



COVERAGE

External Application

1.5mm Dry Film Thickness -
1.67 litres/m²

PACKAGING & COLOURS

Enviro 700X-GC is supplied in 15L drums and is available in Grey.

CURE

Enviro 700X-GC will reach full cure after 7 days.

CLEANING

Enviro 700X-GC should be removed from all tools and equipment, prior to curing with Enviro Thinners No.1. Observe all OH&S and MSDS information pertaining to safe usage and handling of solvents. Cured material can only be removed mechanically.

SHELF LIFE

Enviro 700X-GC can be stored in its original sealed containers for 6 months in controlled environments. During storage, a skin of Enviro 700X-GC may form which is easily removed. This does not affect the performance of the product.

NOTE: Enviro700X is sensitive to airborne moisture. It is preferable to use all contents of container after opening.

HEALTH & SAFETY ADVICE

When using Enviro 700X-GC 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 for full details.

KEEP OUT OF REACH OF CHILDREN

NOTE: Safety Data Sheets are available upon request by emailing customerservice@envirosystems.com.au

We're 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

Please do not hesitate to contact us for any questions you may have.

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environmentally responsible technology

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