

Enviro 700X SL

Self-Levelling Polyurethane Waterproofing Membrane



DESCRIPTION

Enviro 700X SL is a single component, high flow, low thixotropy, low odour polyurethane elastomer waterproofing membrane. Enviro 700X SL once applied, forms a seamless, durable and flexible membrane which protects structures from water penetration.

FEATURES

- Flexible
- Seamless
- Durable
- Remains flexible at low temperatures
- Very low VOC content
- Single Component
- Excellent Crack Bridging

TYPICAL USES

Enviro 700X SL is suitable for use on a variety of substrates including concrete, block, render, timber, CFC, CLT, GRC, steel and many other stable substrates. Enviro 700X SL, once applied produces a seamless, impervious, and durable waterproof membrane suitable for industrial, commercial and residential applications.

- Wet Areas
- Basements, Walls & Floors
- Planter boxes
- Retaining walls
- Podiums
- Plant rooms
- Bathrooms
- Balconies

PHYSICAL PROPERTIES

Colour	Light Grey
Tensile Strength	2MPa
Elongation	690%
Shore A Hardness	40
Angle Tear Strength	11kN/m
VOC Content	135g/L
Solids Content	90%
Service Temperature	-20 to 80°C
Curing Time	Overnight
Cured Density	1.4-1.45g/cm ³
Re-coat Window	Max. 2 days
Recommended Substrate Temperature	5 to 30°C
Recommended Relative Humidity	20 to 90%
Shelf Life	9 months

SUBSTRATE PREPARATION

The surface must be clean, dry and free from all loose particles including dust, laitance, grease, coatings, curing compounds and any other foreign mater. Apply Enviro Flex Pro, Enviro Flex FL or Enviro Flex FC (and allow to cure), to all joints, cracks etc. prior to the application of Enviro 700X SL.

Mechanical abrasion of the substrate is recommended for pedestrian traffic applications.

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

customerservice@envirosystems.com.au



PRIMING

Substrate condition and other requirements will dictate primer selection.

Enviro Prime SB or a diluted coat of Enviro 700X SL (diluted 10% 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 as planter boxes, retaining walls and under tiles.

Enviro Prime P2 or Enviro Epoxy B-LV (substrate dependent) is recommended for use when Enviro 700X SL 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.

For non-porous surfaces, such as metal and PVC, abrade the surface to be treated before priming with Enviro Prime ME and Enviro Prime 789 respectively. Some building materials such as CFC can be supplied with factory applied water resistant coatings.

Care should be taken when waterproofing over these products to mitigate risk of incompatibility.

NOTE: For further information on applications that may not require priming or for project specific advice, please consult EnviroSystems.

customerservice@envirosystems.com.au

BOND BREAKING

Use Enviro Flex FC, Enviro Flex FL or Enviro Flex Pro (allow to cure) to form angle fillets to all internal corners and penetrations prior to application of Enviro 700X SL.

MIXING

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

APPLICATION

Enviro 700X SL is applied using brush, roller or squeegee and is generally applied to the required thickness in 2 coats.

Allow product to cure overnight before recoating. Care should be taken when walking over newly installed Enviro 700X SL 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 SL or for project specific advice please consult EnviroSystems.

customerservice@envirosystems.com.au

COVERAGE

Direct Tiling: If tiling directly to Enviro 700X SL, after achieving the required dry film thickness, it is recommended that an additional thin coat of Enviro 700X SL 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 cure. Once dry, it is recommended that the membrane be protected, before soil placement, with coreflute 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 SL can be applied and broadcast with aggregate (to required slip resistance) when light maintenance traffic is expected.

Soft & Hard Landscape: When Enviro 700X SL 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 SL prior to hard landscape placement.

COVERAGE

Internal Wet Area Walls	0.6mm Dry Film Thickness - 1.0 litres/m ² , 15m ² per pail
--------------------------------	---

Internal Wet Area Floors	1.0mm Dry Film Thickness - 1.5 litres/m ² , 10m ² per pail
---------------------------------	---

Bathrooms (internal walls & floor combined)	Average 1.13 litres/ m ² , 13m ² per pail
--	--

External Floors, Walls, Basements, Roofs & Decks	1.0mm Dry Film Thickness - 1.5 litres/m ² , 10m ² per pail
---	---

Masonry Water Tanks (walls & floor)	1.2mm Dry Film Thickness - 1.8 litres/m ² , 8m ² per pail.
--	---



PACKAGING & COLOURS

Enviro 700PUR-SL is supplied in 15L drums and is available in Light Grey.

CURE

Enviro 700X SL will reach full cure after 7 days.

CLEANING

Enviro 700X SL 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 SL can be stored in its original sealed containers for 9 months in controlled environments. During storage, a skin of Enviro 700X SL may form which is easily removed. This does not affect the performance of the product. Enviro700X SL is sensitive to airborne moisture. It is preferable to use all contents of container after opening.

HEALTH & SAFETY ADVICE

When using Enviro 700X SL 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 MSDS 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.

Envirosystems Technologies Pty Ltd

Address 295 Princes Highway, St Peters NSW 2044
Sydney, Australia
Phone +61 2 8595 8699
Fax +61 2 8595 8660
Email customerservice@envirosystems.com.au
Web www.envirosystems.com.au

ISSUE 3

DATE March 2021



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 of 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 Technologies either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Envirosystems Technologies are responsible for carrying out procedures appropriate to a specific application.