

enviro 700 PUR

High Performance, UV Stable Polyurethane Membrane



Date: May 2010
Issue: 4

Description

Enviro 700 PUR is a single component, polyurethane waterproofing membrane system. Enviro 700 PUR once applied on vertical or horizontal applications both internally and externally forms a seamless, durable and flexible membrane which protects structures from water penetration.

Advantages

- Flexible
- Durable
- Seamless
- Low VOC Content
- UV Stable
- Chemically Resistant to a wide range of chemicals
- CSIRO approved to AS/NZS 4858 - Wet Area Membrane
- Single Pack - Easy to apply

Enviro 700 PUR is suitable for use on a variety of substrates including concrete, steel and other stable substrates. Enviro 700 PUR once applied produces a seamless, impervious, and durable waterproof membrane suitable for industrial, commercial and residential applications.

Uses

- Wet Areas
- Podiums
- Basements, Walls and Floors
- Plant Rooms
- Planter Boxes
- Roofs
- Retaining Walls
- Balconies

Physical Properties

- | | | | |
|--------------------|-------------|--------------------|------------------------|
| • Elongation | >600% | • Tensile Strength | >25 kg/cm ² |
| • Shore A hardness | 70±5 | • Colour | Grey or Green |
| • Solids content | 90±3% (w/w) | • Tear Strength | >15 kg/cm ² |

Application Directions

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 matter. Apply suitable and approved joint caulking material such as Enviro Seal PUR (allow to cure), to all joints, corners and joins prior to application of Enviro 700 PUR.

Priming

Apply a diluted coat of Enviro 700 PUR (with Enviro Thinners No.1) or Prime SB to prepared substrate at a rate of 4 – 6m² per litre, by brush or roller. Allow primer to fully dry before proceeding with final coat of undiluted Enviro 700 PUR.

Mixing

Enviro 700 PUR should be thoroughly mixed using a mechanical mixer at low speed prior to application.

Application

Enviro 700 PUR is a 2 coat system to achieve a total DFT of 1.5mm. Can be applied using brush, roller or squeegee. All joints, cracks etc must be sealed with Enviro Seal PUR or similar polyurethane sealant and allowed to cure before applying final coat. In light traffic applications, Enviro 700PUR must have the final coat broadcast with aggregate to achieve a non slip finish.
DO NOT APPLY EXTERNALLY IF RAIN IS ANTICIPATED.

Estimating Data (Theoretical)

The consumption of Enviro 700 PUR will depend upon substrate condition and type. As a guide: One 22 kg pail of Enviro 700 PUR will cover approximately 13 - 15m² based on achieving a coating of a 1.5mm Dry Film Thickness (DFT) with the two coat application.

Packaging

Enviro 700 PUR is supplied in 22 kg drums.

Curing

Enviro 700 PUR generally can be recoated after overnight drying depending on the weather. Drying times will vary depending on temperature and surface conditions. Enviro 700 PUR achieves majority of its properties with 24 hours.

Cleaning

Enviro 700 PUR 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 700 PUR can be stored in its original sealed containers for 6 months in controlled environments. During storage a skin of Enviro 700 PUR may form which is easily removed. This does not affect the performance of the product. Enviro 700 PUR is sensitive to airborne moisture. It is preferable to use all contents of container after opening.

Safety Advice

When using Enviro 700 PUR always provide 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 or any breathing difficulty occurs or if swallowed, seek medical attention. Refer to MSDS for full details.

KEEP OUT OF REACH OF CHILDREN.



Manufactured by Waterproofing Technologies Pty Ltd

Address: 295 Princes Highway St Peters NSW 2044 Sydney Australia

Telephone: +61 2 8595 8699

Facsimile: +61 2 8595 8660

Web: www.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 general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its 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 Enviro Systems either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they, and not Enviro Systems are responsible for carrying out procedures appropriate to a specific application.