ENVIRO PRIME P2

FAST CURE POLYURETHANE PRIMER

PRIMERS

DESCRIPTION

Enviro Prime P2 is a solvent free, two component fast cure polyurethane primer, which provides both a strong chemical and physical bond to waterproofing materials.

AREAS OF USE

Surface: Most common substrates include concrete, block, render, timber, fibre cement sheeting, cross laminated timer,glass reinforced concrete, asphalt and steel.

Areas: Wet areas, podiums, green roofs, roof tops, car parks, stadiums, balconies, planter boxes, retaining walls, cut and covered tunnels.

FEATURES & BENEFITS

- Green Star compliant
- Bonds to most metal surfaces
- Excellent bond to a wide variety of substrates
- Highly flexible
- Solvent free

COMPATIBLE MEMBRANES

Enviro Prime P2 is suitable for use with the following range of Envirosystems products:

- Enviro HP1200
- Enviro HP1200 LP
- Enviro 1600
- Enviro HP 1200AC
- Enviro HP 1200PW

PRODUCT INFORMATION

Packaging	Available in 10L kits [Red]. Part A: 7.2L, Part B: 2.8L
Shelf Life	Enviro Prime P2 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 the product quality before using after prolonged periods of storage.
Storage Conditions	Enviro Prime P2 should be stored in dry conditions, where it is protected from direct sunlight and at temperatures between 0 °C and +35 °C.

COVERAGE RATE

Type	Litres /m²	m² /kit	WFT per Coat	Number of Coats	Finished DFT (all coats)
All Applications	0.15	6-7	125µm	1	125µm

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. Overcoat - hrs.	Max. Overcoat – hrs.	Full cure - days
10°C	24	16	72	7 days
15°C	16	8	72	7 days
25°C	12	4	48	7 days

Variations in temperature and humidity can affect the cure rate of the coating.
The above chartshould 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	10 grams/litre
Tensile Strength	AS1145.3	10MPa
Elongation	AS1145.3	50%
Pot Life	AS1145.3	15 minutes
Adhesion to Concrete	-	>3 MPa (cohesive failure in concrete)

DIRECTIONS FOR USE

SUBSTRATE PREPARATION

Surfaces must be clean and free from all loose particles, including dust, laitance, grease, coatings and curing compounds. Degreasing, grinding and/or captive shot blasting are required to provide a surface profile. Allow floor to dry if degreasing has been carried out before applying Enviro Prime P2.

NOTE: Metal surfaces may require an abrasive blast to Australian Standard 1627.4:2005. New Concrete - Cured for min. 28 days and under 4.5% moisture (gravimetric method). Renders and Screeds - Cured for min. 7 days under 4.5% moisture (gravimetric method). Moisture content determined using gravimetric testing. As measured using Tramex CME 4 Moisture Meter.

MIXING

Enviro Prime P2 has a mix ratio of 2.2:1 by weight and 2.57:1 by volume (A:B). It is critical to mix Part A and Part B separately. It is supplied in pre-weighed packages, and it is essential that all of the hardener (Part B) is added to the entire resin component (Part A). Enviro Prime P2 should be thoroughly mixed with a mechanical mixer at low speed (less than 400 RPM) for a minimum of thirty seconds prior to application.

APPLICATION

Once fully mixed, Enviro Prime P2 should be immediately applied by squeegee, roller or brush to the prepared substrate. It should then be back rolled, with a medium nap roller to fill voids in the substrate. Extremely porous or damp substrates may require a two-coat primer application in order to fully seal the surface and this should be determined by site trials. Broadcast selected aggregate onto the Enviro Prime P2 to achieve extra mechanical adhesion for topcoats. If the surface is extremely rough, Enviro Prime P2 should be applied by roller. The consumption will increase, and care must be taken to remove 'puddles' of primer before sanding. Extra care must be taken to ensure all substrates are dry. When priming, it is advised to broadcast aggregate/extender into the "wet" primer to enhance holdup of the applied topping.

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 details. Product should be applied at no less than 5°C or no more than 35°C. 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 extreme temperatures 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. Use fans or driers and ventilation to remove moisture and lower humidity; do not directly blow onto product.

RECOAT

Enviro Prime P2 can be recoated after 4 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. Maximum recoat time is 48 hours. Should the recoat window be missed, it is advised to solvent wipe the existing primer and recoat as detailed.

OVERCOAT

Enviro Prime P2 can be overcoated within 4-72 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. It is important to overcoat the primer on the same day to avoid surface contamination.

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. Moisture in concrete must be less than 4.5%. Product must not be used as an exposed or UV stable coating. Do not allow product to freeze.

CLEANING

Enviro Prime P2 should be removed from all tools and equipment, prior to hardening with Enviro Thinners No.1 or Thinners No. 7. Cured material can only be mechanically removed. Observe all OH&S and safety data sheets (SDS) information pertaining to safe usage and handling of solvents.

HEALTH & SAFETY ADVICE

Always provide adequate ventilation and wear appropriate personal protection equipment (PPE) during use. Avoid breathing vapours. Avoid contact with skin. If swallowed, DO NOT induce vomiting. Drink water and seek immediate medical advice. If contact with skin, wash off splashes of material with clean water and soap. If irritation occurs seek medical advice. Refer to the safety data sheet (SDS) for full safety and handling procedures.

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 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 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 application.

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