

Enviro HP1200

High Performance, Solvent Free, Spray Applied, Hybrid Elastomer Membrane



DESCRIPTION

Enviro HP1200 is a two component, spray applied, solvent free, flexible, 100% solids hybrid polyurethane waterproofing membrane. Enviro HP1200 is uniquely formulated to provide high elasticity, tensile and tear strengths while also possessing excellent abrasion resistance.

FEATURES

- Fast Curing
- Solvent Free
- 100% Waterproof
- Seamless Application
- Trafficable
- Fast System Application
- Elastomeric
- 100% Solids
- Very Low VOC
- Excellent Abrasion Resistance
- Excellent Durability
- Convenient 1:1 Mix Ratio

TYPICAL USES

Enviro HP1200 can be used for to provide a 100% trafficable waterproof membrane for the following areas;

- Green Roofs & Roof Tops
- Car Parks
- Balconies
- Podiums
- Planter Boxes
- Retaining Walls
- Cut & Covered Tunnels

PHYSICAL PROPERTIES

| | |
|--|-------|
| Mix Ratio (volume) | 1:1 |
| Colour | Green |
| Density (kg/m ³) AS 1683.4 | 1060 |
| Adhesion to Concrete (MPa) DIN1048 | >1.0 |
| Hardness (Shore A) AS 1683.15.2 | 80±3 |
| Elongation AS1683.11/ISO37 | >370% |
| Tensile Strength (MPa) AS1683.11/ISO37 | >7.9 |
| Abrasion Resistance (mg) AS1683.21 | 228 |
| Crack-Bridging (mm) ZTV-SIB90 | 2 |
| Dynamic Crack Bridging (mm) ZTV-SIB | 0.2 |
| Water Absorption AS3558.1 (1% max) | Pass |
| Acceleration Age Testing (5000hrs) DIN EN 1297 | Pass |
| Tear Propagation Resistance (N/mm) DIN53515/ISO34-1 | 14 |
| Water Vapour Transmission (g/m ² /day) ASTM E96 | 2 |
| Low Temperature Water Tightness DIN EN 13897.2005.02 | Pass |
| External Membrane Approval AS4654.1:2009 | Pass |
| Internal Wet Area Membrane AS4858:2004 | Pass |

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. The substrate must be prepared by way of degreasing, grinding or captive shot blasting to provide an adequate surface profile.



Apply a suitable and approved joint sealant such as Enviro Flex FC or Enviro Flex Pro to all joints and connecting building parts prior to the application of Enviro HP1200. Enviro HP1200 is suitable for use over the following substrates;

- Concrete (cured for minimum 28 days)
- Renders (cured for minimum 7 days)
- Plywood (marine grade only)
- Steel
- AFS panels

NOTE: Do not apply Enviro HP1200 to any concrete that has received concrete curing compounds.

Some substrate preparations may initially require mechanical grinding in order to provide an adequate surface profile and to promote optimum adhesion for the membrane system.

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

customerservice@envirosystems.com.au

PRIMING

Apply Enviro Epoxy B-LV (sand seeded) or Enviro Prime P2 to suitably prepared substrate by brush, roller or squeegee as per individual products recommendations. Allow primer to fully cure before proceeding with the application of Enviro HP1200.

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

customerservice@envirosystems.com.au

MIXING

Mixing by way of 1:1 mix ratio (by volume) in heated plural component spray equipment such as Graco E-10 or EXP-2. Both low and high pressure spray equipment can be used for the application of Enviro HP1200.

COVERAGE

The coverage of Enviro HP1200 will depend on weather and substrate conditions.

| | |
|--|--|
| Recommendations for External Applications | 1.5mm Dry Film Thickness – 1.6kg/m ² |
|--|--|

CURE

The curing rate of Enviro HP1200 is dependent on ambient and substrate temperatures. As the

| | |
|---------------------------------|-------------------------------|
| Hard Coating (mins) | 10 |
| Cure | 85% (1 hour) 100% (7 days) |
| Recoat – minimum (mins) | <4 |
| Recoat – maximum (hours) | 3 |

PACKAGING & COLOURS

Enviro HP1200 is supplied as a 43kg Kit in Green only.

CLEANING

Cured Enviro HP1200 is difficult to remove chemically and therefore spillages should be minimized and clean up immediately to limit damage.

SHELF LIFE

Enviro HP1200 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.

HEALTH & SAFETY ADVICE

Enviro HP1200 is non -hazardous according to Safe Work Australia criteria, however, as a precaution, always provide good ventilation when applying. Wash off splashes of material with clean water, wear gloves and eye protection. If irritation is experienced seek medical advice. Refer to the Safety Data Sheet for full safety and handling procedures.

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.

| | |
|----------------|--|
| 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 |



envirosystems
environmentally responsible technology

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.