

Enviro V Drain

HDPE Drainage Membrane with Geotextile Filter



DESCRIPTION

Enviro V Drain is a premium high-density polyethylene (HDPE) drainage membrane, extruded into dimples using patented technology so that it resists long-term high pressure without deformation. A geotextile filtration layer bonded to the top of the dimples provides exceptional drainage for green roof systems and basement wall protection.

CLASSIFICATION

Certification – TÜV and SGS certified.

AREAS OF USE

SURFACES: Over cured waterproofing membranes on slabs and basement walls.

AREAS: Green roofs, planter boxes, podiums and basement wall protection and drainage.

FEATURES & BENEFITS

- High-grade HDPE resists long-term pressure without deformation.
- Integrated geotextile filter layer
- High drainage capacity
- Protects the waterproofing membrane.
- Supplied in large 2m × 20m rolls.

PRODUCT INFORMATION

Packaging	20m Rolls, 2m Wide
Colour	Black
Shelf Life	Does not expire if correctly stored
Storage Conditions	Store rolls horizontally in a clean, dry location, covered to protect from heat, cold, moisture and environmental damage.

PHYSICAL PROPERTIES

Property	Test Method	Test Result
Geotextile Thickness	–	0.6mm
Dimple Height	–	8mm
Geotextile Weight	–	≈150 g/m ²
Total Weight	–	≥750 g/m ²
Tensile Strength	–	≥11 kN/m

Property	Test Method	Test Result
Compressive Strength	–	≥30 kPa
Elongation	–	≥30%
Maximum Tension	–	320 N
Vertical Permeability Coefficient	–	1.0 × (10 ⁰ – 10 ⁻³) cm/s
Drainage Capacity	–	10 cm ³ ±10%
Service Temperature	–	-30°C to 80°C
Watertightness	–	0.3 MPa / 24 h – Pass

COVERAGE RATE

One 2m × 20m roll covers 40 m², less allowance for overlaps.

SUBSTRATE PREPARATION

Install over a fully cured, protected waterproofing membrane on a sound surface.

APPLICATION

Lay Enviro V Drain with the geotextile facing the soil or fill side, overlapping adjacent rolls so the geotextile continues over the joint. Direct drainage to outlets or ag drains.

For applications or situations not covered above, contact Enviro systems technical support.

CLEANING

No cleaning of tools is required.

LIMITATIONS

- Store and handle rolls carefully to avoid crushing the dimples.
- Do not install over uncured membranes.

HEALTH & SAFETY ADVICE

Enviro V Drain is an inert plastic product. Wear gloves when handling and cutting panels or rolls and follow safe manual handling practices. Refer to the Safety Data Sheet for full safety and handling procedures.

KEEP OUT OF REACH OF CHILDREN

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



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is of a general nature, no assumption can be made as to a product's suitability for a particular use or 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 project.

NOTE: All products manufactured by EnviroSystems comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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