

HIFLO DRAINAGE CELL

DESCRIPTION

HIFLOW Drainage Cell is a highly effective modular drainage system that is designed to provide superior waterproofing protection for retaining walls, planter boxes, and other areas that require drainage solutions. Made from high-density polyethylene (HDPE), the cells are lightweight, durable, and resistant to chemicals, making them ideal for use in a wide range of applications. HIFLO Drainage Cell system is also designed to manage excess water in a variety of applications, including green roofs, podium decks, and underground car parks. It is made up of a series of lightweight plastic cells that are laid on top of a waterproof membrane and filled with a suitable substrate or growing medium. The cells have a unique design that allows water to flow freely through them, creating a void space for excess water to be stored and then released slowly into the drainage system.

MATERIAL

HDPE - High Density Polyethylene

COLOUR

White

PACKAGING (weight)

• 15M x 1.5M Roll

KEY BENEFITS

- HIFLO Drainage Cell is that it helps to alleviate pressure on traditional drainage systems by reducing the amount of run-off water that is generated. This can be particularly beneficial in urban areas where heavy rainfall can overwhelm drainage systems and cause flooding. By using HIFLO Drainage Cell, excess water can be stored and released gradually, reducing the risk of flooding and other water-related issues.
- HIFLO Drainage Cell can provide a stable base for green roofs and other types of landscaping. The cells can be filled on top with a suitable growing medium, allowing plants to thrive while also providing a drainage system that helps to prevent waterlogging and soil erosion.
- Lightweight and Durable: HIFLOW Drainage Cell is made from high-density polyethylene (HDPE) plastic, which is lightweight yet durable. This makes it easy to handle and install while also providing long-lasting performance.
- Cost-effective: HIFLOW Drainage Cell is a cost-effective drainage solution that provides long-term benefits. Its high capacity and durability reduce the need for regular maintenance and repairs, saving both time and money.
- Long-Lasting: The material is resistant to UV radiation, chemicals, and weathering, making it an ideal choice for waterproofing applications.
- HIFLOW Drainage Cell allows it to effectively manage excess water, preventing waterlogging and soil erosion, while also protecting against hydrostatic pressure. The cells are laid on top of a waterproof membrane, creating a void space for water to flow freely through the system. This allows excess water to be stored and released slowly into the drainage system, reducing the risk of flooding and other water-related issues.

ACTFLEX HIFLOW DRAINAGE CELL PROPERTIES

Compressive Strength (ASTM-1621)	250	Roll Length	15 Meters
Colour	White	Roll Width	1.5 Meters
Nominal Thickness	15mm	Roll Weight	37kg
Flow (ASTM-4716) I=1.0 @ 100 KPa	>150	Application Temperature	10 - 26°C
Heat Resistant	70°C @ 1.5Hrs		

INSTALLATION

- Prepare the wall surface by cleaning it and making sure it is free of debris and any sharp or protruding objects.
- Apply a suitable waterproof membrane to the wall surface, following the manufacturer's instructions.
- Cut the HIFLO Drainage Cell to the required length for the wall/floor installation.
- Unroll the HIFLO Drainage Cell roll onto the waterproof membrane (after full cure of waterproofing membrane), making sure it is positioned correctly and in line with the wall surface.
- Cut the HIFLO Drainage Cell to fit around any obstacles such as pipes or electrical conduits.
- Overlap the edges of the HIFLO Drainage Cell by approximately 100mm and secure them with adhesive tape or similar waterproofing material.
- Secure the HIFLO Drainage Cell to the wall using a suitable adhesive or mechanical fixing system.
- Fill the area against the HIFLO Drainage Cell with a suitable gravel mix, blue metal, soil or any other drainage material.
- Test the drainage system by pouring water onto the wall surface and ensuring that it flows freely into the drainage cells and exits the system through the appropriate outlets.

SAFETY - WHEN HANDLING DO NOT EAT, DRINK OR SMOKE.

Always use in a well-ventilated area and wear PPE gloves, safety boots and protective eyewear (against splashes). Use breathing respirators at all times. Organic vapour respirators with particulate pre- filters and powered, air-purifying respirators are NOT suitable. Change soiled work clothes and wash hands before breaks and after finishing work. In case of eye contact, rinse with plenty of water: If inhaled, remove to fresh air, if discomfort persists, if any breathing difficulties occur or if swallowed (do NOT induce vomiting), immediately contact the Poisons Information centre and seek medical attention. KEEP OUT OF REACH OF CHILDREN. Uncured product is combustible so keep all sources of ignition away from product and its vapours. In emergency, contact any Poisons Information Centre (phone 13 11 26 within Australia) or 0800 764 766 (NZ). or a doctor for advice. IN TRANSPORT EMERGENCY DIAL 000 – POLICE-FIRE BRIGADE. Local regulations as well as health and safety advice on packaging labels must be observed.

For more information, please download a copy of the SDS from www.thewaterproofingshop.com.au

Data Sheet

This Technical Data Sheet and the Material Safety Data Sheet (SDS) may be revised at any time to comply with relevant changes to the Australian Standards or to include changes to current technology. Always read the current SDS and TDS carefully prior to use as application and performance data may change from time to time. It is always best to request a copy of the latest technical data from Actech Protective Coatings by calling 02 8021 3517 or emailing admin@actechpc.com.au.

Data provided is typical but does not constitute a full specification. This should be sighted from the company for specific projects.

CONDITIONS OF USE, PRODUCT DISCLAIMER AND STATEMENT OF RESPONSIBILITY

The information supplied is given in good faith and to the best of our knowledge is true and accurate at the time of printing. 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. We reserve the right to update information without prior notice to you to reflect our ongoing research and development program. The customer or the contractor is responsible for checking the suitability of products for their intended use. It is the customers' responsibility to ensure that our products are used and handled correctly and in accordance with any applicable Australian Standards. Our instructions and recommendations are only for intended users only. Any advice, recommendation, information, assistance or service provided by Actech Protective Coatings in relation to its products or their use is given in good faith, however is provided without responsibility or liability. To the full extent permitted by law, Actech Protective Coatings Products liability is limited to its discretion, to replace or to refund the purchase price of the quantity of the products supplied. Actech Protective Coatings does not exclude rights and remedies that cannot be excluded by legislation, for example under the Consumer Guarantees Act 1993. Under no circumstances will the company be liable for loss, consequential or otherwise, arising from the use of the product.