

High Performance UDG Urban Drainage Geomembrane System

Page 1 of 2



- | Suitable for various demanding geomembrane applications
- | Wide temperature welding range
- | Excellent flexibility in cold weather conditions
- | High resistance to puncture
- | Available in easy to handle roll size

Description

Using the latest Zedex technology, Visqueen High Performance Urban Drainage Geomembrane is flexible, has high puncture resistance and suitable for non-smooth surfaces and factory prefabrication to optimise on site installation. The product is black in colour, 1mm thick and supplied in an easy to handle roll size of 1.4m x 50m. Visqueen High Performance Urban Drainage Geomembrane is a category 2 impermeable membrane under BS 7533 part 13.

Application

Visqueen High Performance UDG is a robust weldable geomembrane suitable for attenuation tank encapsulations, porous sub-base installations, containment and cut-off trenches.

Visqueen High Performance UDG is a chemically inert membrane offering designers and specifiers a range of critical properties that meet the needs of today's demanding geomembrane applications including high water table sites.

Additional System Components

- Visqueen UDG Double Sided Jointing Tape (100mm x 15m roll) – for bonding the membrane at overlaps
- Visqueen GR Single Sided Lap Tape (150mm x 10m roll) – for securing the laps of the membrane
- Visqueen Preformed Top Hat Unit – preformed pipe sleeve unit for sealing around pipe penetrations
- Visqueen TreadGUARD1500 – HDPE board for protecting the membrane from damage after installation
- Visqueen TreadGUARD300 – woven PP fleece for protecting the membrane from damage after installation



VISQUEEN
 BUILDING PRODUCTS

Heanor Gate, Heanor, Derbyshire DE75 7RG
 T: 0845 302 4758 F: 0845 017 8663
enquiries@visqueenbuilding.co.uk
www.visqueenbuilding.co.uk

VISQUEEN BUILDING PRODUCTS IS A TRADING NAME
 OF BRITISH POLYTHENE LIMITED, COMPANY NUMBER:
 350729, REGISTERED OFFICE: ONE LONDON WALL,
 LONDON, EC2Y 5AB

STRUCTURAL WATERPROOFING
 AND GAS PROTECTION SYSTEMS

High Performance UDG

Urban Drainage Geomembrane System

Page 2 of 2

Installation

Visqueen High Performance UDG exhibits superior welding properties, making it ideal for on-site welding of joints. In certain applications the sealing of laps can be achieved using the Visqueen UDG Jointing Tape System. In these instances Visqueen UDG Double Sided Jointing Tape is applied approximately 50mm from the edge of the membrane. The next width of Visqueen High Performance UDG should then be overlapped. For effective jointing all laps should be a minimum of 150mm. The lap should be secured with Visqueen GR Single Sided Lap Tape. When ambient temperatures drop below 10°C, the components of the Visqueen Jointing Tape System should be kept in a warm, dry place until needed. Membrane installation using this technique is not recommended below 5°C. Always ensure that the membrane lap area is clean, dry and free from dust or contamination at the time of jointing.

Visqueen High Performance UDG should be installed on a blinded or smooth surface, free from sharp protrusions. Avoid areas of unsupported membrane. Adequate protection, such as Visqueen TreadGUARD1500 or 300, should be applied over the membrane to prevent damage after installation.

Storage and Handling

Visqueen High Performance UDG is classified as non-hazardous. It is chemically inert and is not affected by acids and alkalis that may be present in the subsoils. The material is not recommended for uses where it will be exposed to long periods of outdoor weathering, such as exposure to ultraviolet light that will embrittle the product. Care should be taken to avoid accidental damage when handling the membrane on site. When the weather is cold all jointing tapes should be kept in a warm and dry place until needed. Installation is not recommended below 5°C. The rolls weigh 65 kilos and care should be taken when handling.

TYPICAL PROPERTIES

Technical Data

Thickness (mm)	1
Dimensions (m)	1.4 x 50
Colour	Black
Tensile Strength N/mm ²	20.5
Elongation at break (%)	539
Water vapour permeability (g/m ² /day)	0.21
Nominal Weight (kg/m ²)	0.93
Puncture Resistance ASTM D 4833	279N

Visqueen UDG Taped Joint

Tensile strength MOAT 27	31.0 daN/50mm
Resistance to water pressure 240 kPa@24hours	No Leaks

The information given in this datasheet is based on data and knowledge correct at the time of printing. Statements made are of a general nature and are not intended to apply to any use or application outside any referred to in the datasheet. As conditions of usage and installation are beyond our control we do not warrant performance obtained but strongly recommend that our installation guidelines and the relevant British Standard Codes of Practice are adhered to. Please contact us if you are in any doubt as to the suitability of application.

SPECIFICATION SUPPORT

The following items are available to view online or to download from www.visqueenbuilding.co.uk

- Technical Datasheets
- Typical installation CAD details
- Health and Safety data

Register online for access to NBS Clauses and for information about our CPD Seminars



TECHNICAL SUPPORT

For advice on detailing or installation call Visqueen Building Products Technical Help Line 0845 302 4758. Pricing & Availability may be obtained from our UK Network of merchant stockists. For details of these call our Sales Office on 0845 302 4758.