

TERRADRAIN™ 7DW GAS VENT & STRIP DRAIN

DOUBLE CUSPATED / DIMPLED / PERFORATED CORE ROLL STRIP DRAIN

PRODUCT DESCRIPTION

TerraDrain™ 7DW gas vent & strip drain is a high performance, high compressive strength, high flow drainage composite consisting of a three dimensional, high impact double cusped / dimpled HDPE core combined with a non-woven filter fabric wrap..

The filter fabric is bonded to the individual dimples of the core to minimise fabric intrusion into the flow channels caused by soil backfill pressure.

The fabric prevents small soil particles from clogging the drainage channels but allows water / moisture to pass freely.

TYPICAL USES

- Geomembrane / liner subgrade gas vent
- Sports field drainage
- Foundation / secant pile drainage
- Retaining drainage
- Cut-off / interceptor drains

FEATURES & BENEFITS

- High compressive strength
- Low profile
- Drainage aggregate not required
- Supplied in man hand able rolls
- Easily and quickly deployed

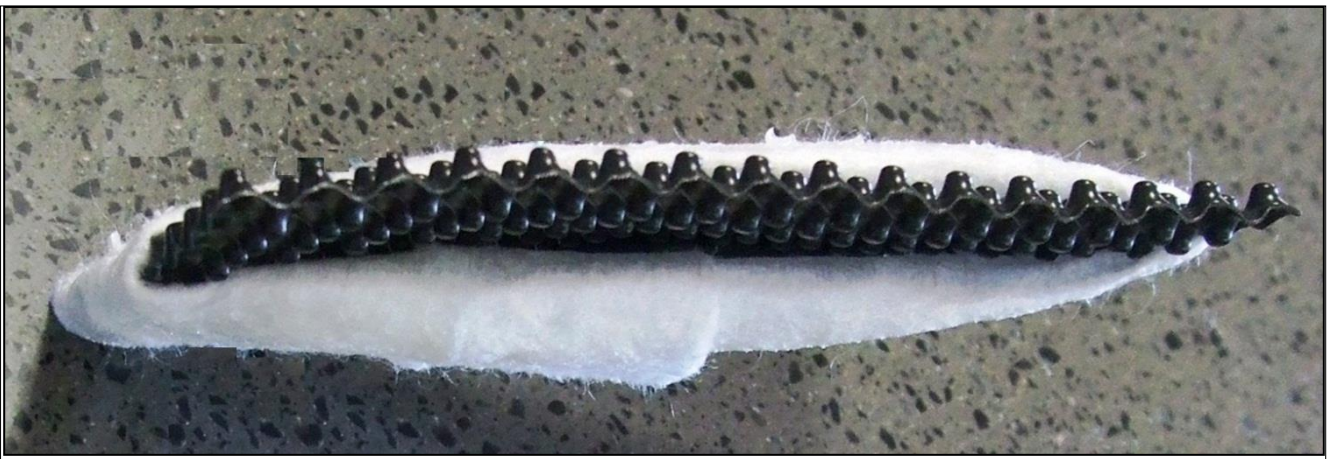
Property	Unit	Value	Standard	
GEOTEXTILE				
TNZ specification F/7 Class A compliant Polypropylene non woven needle punched & heat treated long staple fibre				
CORE				
High Density Polyethylene (HDPE) non punched / watertight Symmetrical Double Cusped (Dimpled both faces)				
Carbon black content	%	0.8-2.5	ASTM D1603	
COMPOSITE				
Thickness at 2kPa	mm	7.7	EN ISO 9863-1	
Mass per unit area	g/m ²	890	EN ISO 9864	
Tensile strength MD/CD	kN/m	28/19	EN ISO 10319	
Elongation at peak MD/CD	%	45/40	EN ISO 10319	
Perpendicular Water Inflow each side				
Water flow at 50mm head / square metre	l/sec	100	EN ISO 11058	
At 2kPa permeability coefficient	m/s	2.5 x 10 ⁻³	EN ISO 11058	
In-plane water flow in both sides⁴				
at 20kPa pressure	l/m/sec	1.2	0.28	EN ISO 12958
at 100kPa pressure	l/m/sec	0.95	0.18	EN ISO 12958
at 200kPa pressure	l/m/sec	0.80	0.09	EN ISO 12958
Roll Size ex stock : other sizes on indent	m	0.5 x 100		

Notes

- 1) The values given are indicative and correspond to nominal results obtained in our laboratories and testing institutes. In line with our policy of continuous improvement the right is reserved to make changes without notice at any time.
- 2) The tolerance on roll length is 1.5% and on roll width 1.0%.
- 3) The above figures have been obtained from statistical interpretation of test results.
- 4) Tested with soft foam contact surfaces to simulate textile intrusion into the core due to soil pressure. Flow occurs on both sides of the core, half each side.
- 5) Resistant to chemicals commonly found in soils(EN 14030) and to microbes commonly found in soils (EN 12225).
- 6) Compatible with all granular backfills and most common soils.
- 7) Final determination of the suitability of any information is the sole responsibility of the user

GENERAL INSTALLATION NOTES

- Install TerraDrain™ 7DW gas vent and stripdrain systems to the gradient detailed in the contract documents.
- To form butt joints peel back the geotextile and lap / splice the core cusps 100mm then pull the free fabric flap down over the butt joint, PVC tape the geotextile lap / seam.
- Non-cohesive native soils can be used as backfill but coarse clean river sand is the recommended backfill material
- Limit exposure of the fabric to ultra violet (UV / sun rays) light to a maximum period of 14 days.



TerraDrain™ 7DW Gas Vent : Double Cusped



Dairy Effluent Pond : Sub-Grade / Liner Gas Vent

