

TerraDrain®



APPLICATIONS

- Basement Foundations
- Retaining Walls
- Planters
- Bridge Abutments
- Rooftop Gardens

TerraDrain® is a dimpled plastic sheet that provides effective drainage and waterproof membrane protection on foundation walls and other underground structures. The integrated non-woven geotextile covering the dimples prevents soil particles blocking the drainage sheet, creates an air gap for reliable ventilation and allows inflow and with its dimple structure effectively captures and transports high water volumes and resists high loads from earth and formwork.

TerraDrain® products perform a multi-faceted role by providing protection for waterproofing systems and managing sub-surface water around building foundations. Soil backfill is retained by a filter fabric while allowing water to pass into the drainage core providing hydrostatic relief. Collected water is then conveyed to a proper collection system.

TerraDrain® products all consist of an impermeable polymeric sheet cusped under heat and pressure to form a high flow dimpled drainage core. Cuspation/dimples can be on one side giving a flat surface on the opposite side (TD10 & TD20) or cusped/dimpled on both sides (TD18). The core is then bonded to a layer of non woven filter fabric. The filter fabric retains soil or sand particles as well as freshly placed concrete or grout, allowing filtered water to pass into the drainage core.

The double cusped (TD18) provides an additional void space between the wall/wall membrane and Drainage Composite for air and water to circulate. In addition it maintains a very high flow rate while providing a higher compressive strength for greater depths.

PRICE PER UNIT All prices +GST

CODE	30 +	15 - 29	5 - 14	1 - 4
SDS-TD18	\$391.60	\$400.40	\$418.00	\$459.80
SDS-TD20	\$557.70	\$577.50	\$594.00	\$623.70

CODE	72 +	34 - 71	10 - 33	1 - 9
SDS-TD10-12.5	\$164.00	\$175.00	\$189.00	\$205.00

TerraDrain® Specifications

HDPE Core Properties	Unit	TD10 Single	TD18 Double	TD20 Single
Compressive Strength (ASTM-1621)	kN/m ²	370	250	250
Nominal Thickness	mm	10	18	20
Flow (ASTM-4716) i=1.0 @ 100 kPa	l/min/m width	180	150 (Single)	250
Roll Length	m	12.5	30.0	30.0
Roll Width	m	1.22	1.10	1.10
Roll Weight	kg	18	26	35
Geotextile Properties				
Flow (AS3706.9)	l/m ² /s	>180	>150	>180
CBR (AS3706.7)	N	>1400	>1700	>1400
EOS (AS3706.4)	mm	<0.12	<0.12	<0.12
Grab (AS3706.2)	N	>500	>700	>500