



TerraDrain® Sheetdrain TD10, TD18 & TD20

Prefabricated Drainage Composite

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.

Applications

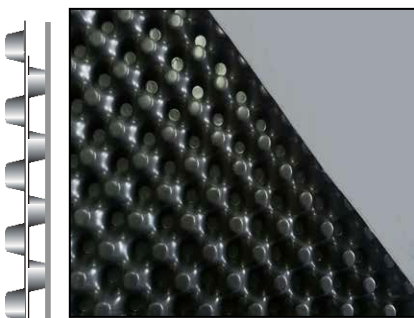
- Basement Foundations
- Retaining Walls
- Planters
- Bridge Abutments

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.

TerraDrain® TD18
Double Cusped
(Raised Cups Both Sides)



TerraDrain® TD10 &
TD20
Single Cusped
(Raised Cups One Side)



Consult Polyfabrics Australasia or a certified Engineer for site specific installation instructions. Polyfabrics Australasia reserves the right to change its product specification at any time. It is the responsibility of the specifier and purchaser to ensure that product specifications used for design and procurement purposes are current and consistent with the products used in each instance.

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TerraDrain® Sheet Drain TD10, TD18 & TD20

Prefabricated Drainage Composite

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

INSTALLATION INSTRUCTIONS

TerraDrain® wall drainage system TD-10, 18 & 20:

- Installed either vertically or horizontally.
- Held in place by either taping, nailing, gluing or simply overhanging over the wall while backfilling takes place.
- Installed with the geotextile facing the backfill.
- Joined by simply butting edge to edge and overlapping the geotextile overhang and securing with reinforced canvas tape. Alternatively overlap the cusped core by 50mm and secure geotextile as previous.



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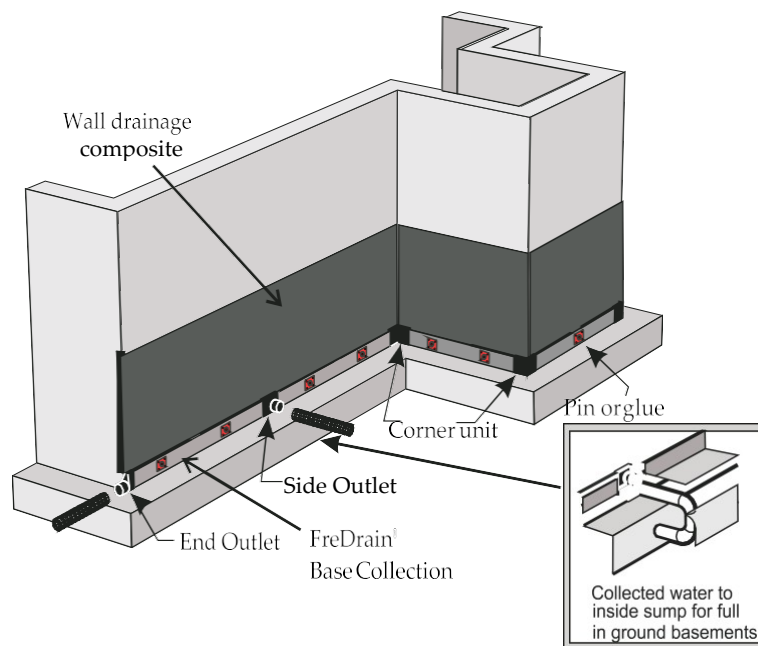
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TerraDrain® SheeDrain TD10, TD18 & TD20

Prefabricated Drainage Composite

TerraDrain® TD10, TD18 & TD20 WALL DRAINAGE COMPOSITE



FreDrain® STRIP FILTER SF25 OR SF40 PLUS TerraDrain® WALL SYSTEM TD10, TD18 or TD20

Combine FreDrain® Strip Filter collection system with full coverage of TerraDrain® wall drainage system TD10,18 or 20. Full wall coverage helps protect the waterproofing and forms a barrier between the soil and foundation wall. Also allows a passage for water towards the bottom of the foundation wall to the collection system.

Combine FreDrain® Strip Filter collection system with partial TerraDrain® wall drainage system TD10,18 or 20. This allows a passage for water towards the bottom of the foundation wall to the collection system.

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