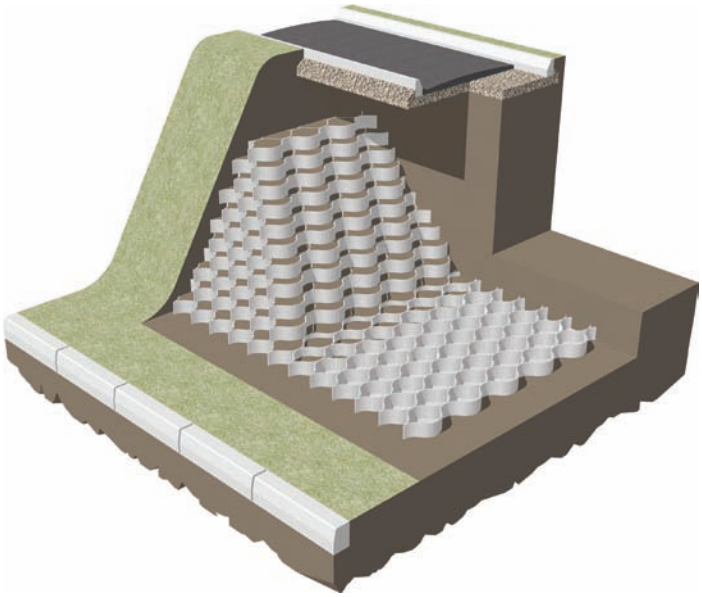
DEFENCELL

PROFILE 300



DEFENCELL Profile 300 Protection System is a textile, cellular, containment system which can be filled with various materials (soil, sand, gravel and small rocks) to build a wide variety of structures for perimeter security and HVM protection.

Profile 300 is used to build barriers, berms or bunds. The cellular and modular design allows a broad range of structures to be built using locally sourced or selected fill materials. Profile allows the creation of specific barrier shapes and sizes to meet particular protection requirements.

The layered construction technique combined with the smaller 300mm cell size, provides a high degree of versatility in installation, integrating the barrier with the natural contours of the site. Layers can be added/removed to absorb undulations in the ground surface to provide a level topped berm or follow the landscape for a more natural appearance. The geotextile runs lengthways through the structure providing considerable additional longitudinal strength and protection

Profile is made from strong geotextile materials proven in the civil engineering field and the neutral properties of the geotextile combined with the ease of landscaping, make it ideal for use in environmentally and visually sensitive locations, where it can be easily grassed or planted and quickly blends with the surroundings while still providing a proven and substantial barrier.

DEFENCELL has been extensively trialled against a range of ballistic threats and has been successfully tested as a vehicle crash barrier to UK PAS68 and US Dept of State K12 standards.

Building is quick and simple, saving construction time, labour and materials making it a highly cost-effective solution. Excellent levels of compaction can be achieved providing stability and long-term structures.

System Characteristics
- Simple to install
- Cost Effective
- Lightweight - Easily Handled
- Small Logistics Footprint
- Environmentally Friendly

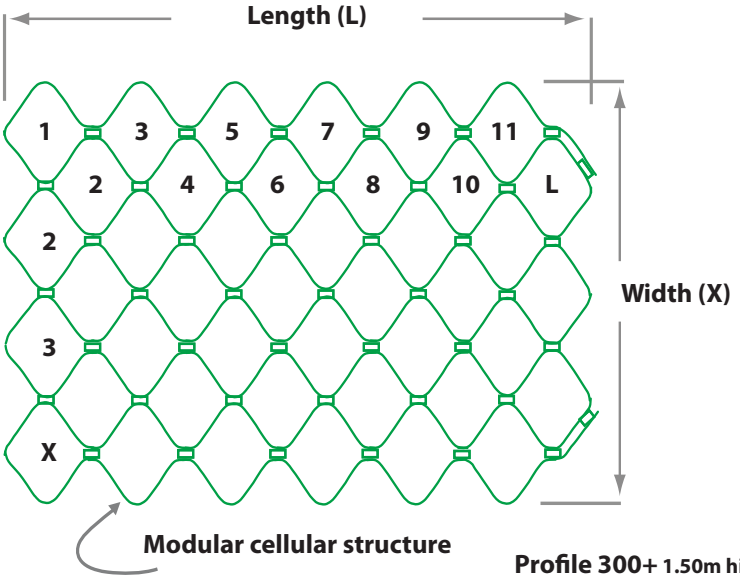
Applications
- Berms
- Ground stabilization
- Access construction
- Environmental Protection
- Barriers

Profile Barrier System

Physical Properties	Unit	Profile 300:03	Profile 300:04	Profile 300:05	Profile 300:06	Profile 300:07	Profile 300:08	Profile 300:09	Profile 300:10	Profile 300:11
Cell nominal diameter	mm	300								
Cell depth	mm	250								
Panel Length	mm	4970								
Panel Width	mm	955	1273	1591	1909	2227	2546	2864	3182	3500
No of cells in length (L) (See Note 1)		26								
No of cells in width (X) (See Note 1)		3	4	5	6	7	8	9	10	11
Total number of cells		65	91	117	143	169	195	221	247	273
Fabric colour		Tan/Sand								
Panel Shipping Weight	Kg	3.9	5.2	6.5	7.9	9.2	10.6	11.9	13.2	14.6
Cell Wall Tensile Strength (See note 2)	kN/m	20.7								
Cell Junction Peel Strength (See Note 3)	kN/m	10								
Cell wall permeability (See Note 4)	l/m² sec	45								
Terram geotextile grade		4000uv								

For additional information on the properties of Terram 4000uv please see the Terram Thermally Bonded Nonwovens Data Sheet.

Notes:
(1) See the diagram below for an explanation of cell numbering system and orientation.
(2) Results derived from Wide Width Tensile Test (EN ISO 10319).
(3) Terram internal test method.
(4) Results derived from a single cell wall Permeability Test (EN ISO 11058)



PAS68 Structures

Profile 300+ 1.50m high:
PAS68 - 7500(N3):80/90:2.5/0

Profile 300 1.25m high:
PAS68 - 7500(N2):64/90:0/0