



ENGINEERED PROTECTION FROM DEFENCELL

DEFENCELL Stabilisation is very versatile and is designed for many construction uses. The strong but lightweight cellular panels are ideal for providing surface stabilisation for a wide range of applications.

DEFENCELL Stabilisation panels are engineered in various sizes, heights and cell diameter to suit requirements and can be used to provide surface stabilisation for vehicle hardstanding, roads and pathways, ensuring that supply routes are maintained. Helicopter landing areas can also be established, with stabilisers added to the fill materials to prevent dust and downdraft erosion.

In wet or unstable conditions the cell systems are simply deployed, filled and compacted to provide a stable and free draining surface. DEFENCELL Stabilisation is ideal for Camp Winterisation and can be used to build elevated platforms for accommodation and mess shelters, field hospitals, cabins and other facilities to improve hygiene conditions.

The cells can be filled with a wide variety of locally available or imported fill materials from earth and sand to small rocks. DEFENCELL can be easily filled by hand or with any form of mechanical equipment. Successive layers can be added to build structures and these are described in other data sheets.

System Characteristics

- Lightweight & compact
- Fast and easy to fill
- Strong & Durable
- Minimum 2-year field life
- Fill with sand, gravel and rocks
- Fill manually

Applications

- Roads and paths
- Vehicle Hardstanding
- Helicopter Landing Sites
- Camp Winterisation

Specifications

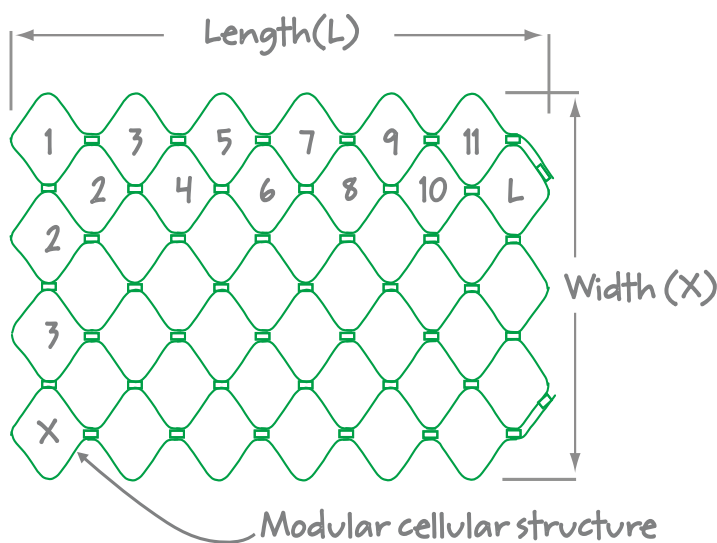
GS 25:15 NATO Stock Number: 5680-99-879-5501
GS 35:25 NATO Stock Number: 5680-99-134-8265



	Units	EROCELL 25		EROCELL 35		
Physical Properties		10	15	10	15	25
Cell nominal diameter	mm	250	250	350	350	350
Cell depth (1)	mm	100	150	100	150	250
Panel Length (nominal) (1)	m	5	5	5	5	5
Panel Width (nominal) (1)	m	7	7	7	7	7
No. of cells in length (L) (2)	No.	34	34	24	24	24
No. of cells in width (X) (2)	No.	29	29	20	20	20
Cell length (nominal)	mm	300	300	414	414	414
Cell width (nominal)	mm	265	265	363	363	363
Colour (1)		Dark Grey	Dark Grey	Dark Grey	Dark Grey	Dark Grey
Panel weight (nominal)	kgs	17	25	11	17	28
Mechanical & Hydraulic Properties (6)						
Cell Wall Tensile Strength (3)	kN/m	20.7	20.7	20.7	20.7	20.7
Cell Junction Peel Strength (4)	kN/m	10.0	10.0	10.0	10.0	10.0
Cell wall permeability (5)	l/m ² .sec	45	45	45	45	45

Notes:

- (1) Other sizes and colours are available to order.
- (2) See the diagram for an explanation of cell numbering and orientation.
- (3) Results derived from Wide Width Tensile Test (EN ISO 10319).
- (4) Terram internal test method.
- (5) Results derived from a single cell wall Permeability Test (EN ISO 11058).
- (6) Results quoted are family mean values derived from testing over periods of time.



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