

EXPEDITIONARY FORCE PROTECTION FROM DEFENCELL

LITE (Lightweight Individual Tactical Emplacement) is the latest version of the Defencell Force Protection System. Lightweight and with a low pack volume (an unfilled unit fits in the same space as a full sandbag), it is easily stored and moved. When filled, that same unit makes a wall section 3.2 m long, 0.6 m high and 0.7 m wide, equivalent to about 100 sandbags.

The LITE can be filled with material ranging from earth and sand through to rocks up to about 20 cm in diameter. This makes it particularly suitable for mountainous or dry arid areas. Independently tested, a single width will protect against small arms up to 0.5" and 14.5 mm in calibre, as well as a fragmenting weapons. Individual units can be stacked on top of each other to make higher walls and placed alongside each other to provide greater protection levels.

It can be quickly filled by hand, with shovels or with any form of mechanical equipment. Unlike sandbags, the LITE needs no tamping or specific building technique: simply fill it and compact by treading.

Its all-textile construction means no secondary fragmentation from metal or plastic components and no RF interference. It can be dropped from height with no likelihood of damage making it ideal for remote locations.

System Characteristics

- Lightweight - 3.6 Kg
- Fast and easy to fill
- Fully tested
- Minimum 2-year field life
- Fill with sand, gravel and rocks
- Fill manually
- Build walls, bunkers and fighting positions
- Stack 3-high
- Use as a road barrier
- Protect critical equipment
- All textile - no inherent secondary fragmentation
- Protect against small arms up to 14.5 mm and 0.5"
- Protect against fragmentation weapons

• In production - contact us for further information and orders

Specifications

NATO Stock Number: 5680-99-153-0091

Model	Height	Width (Footprint)	Width (Protective)	Length	Weight
LITE	20" (plus 4" skirt)	28"	25"	126"	8 lbs
	0.50m (plus 0.10m skirt)	0.70 m	0.63 m	3.20 m	3.60 kgs

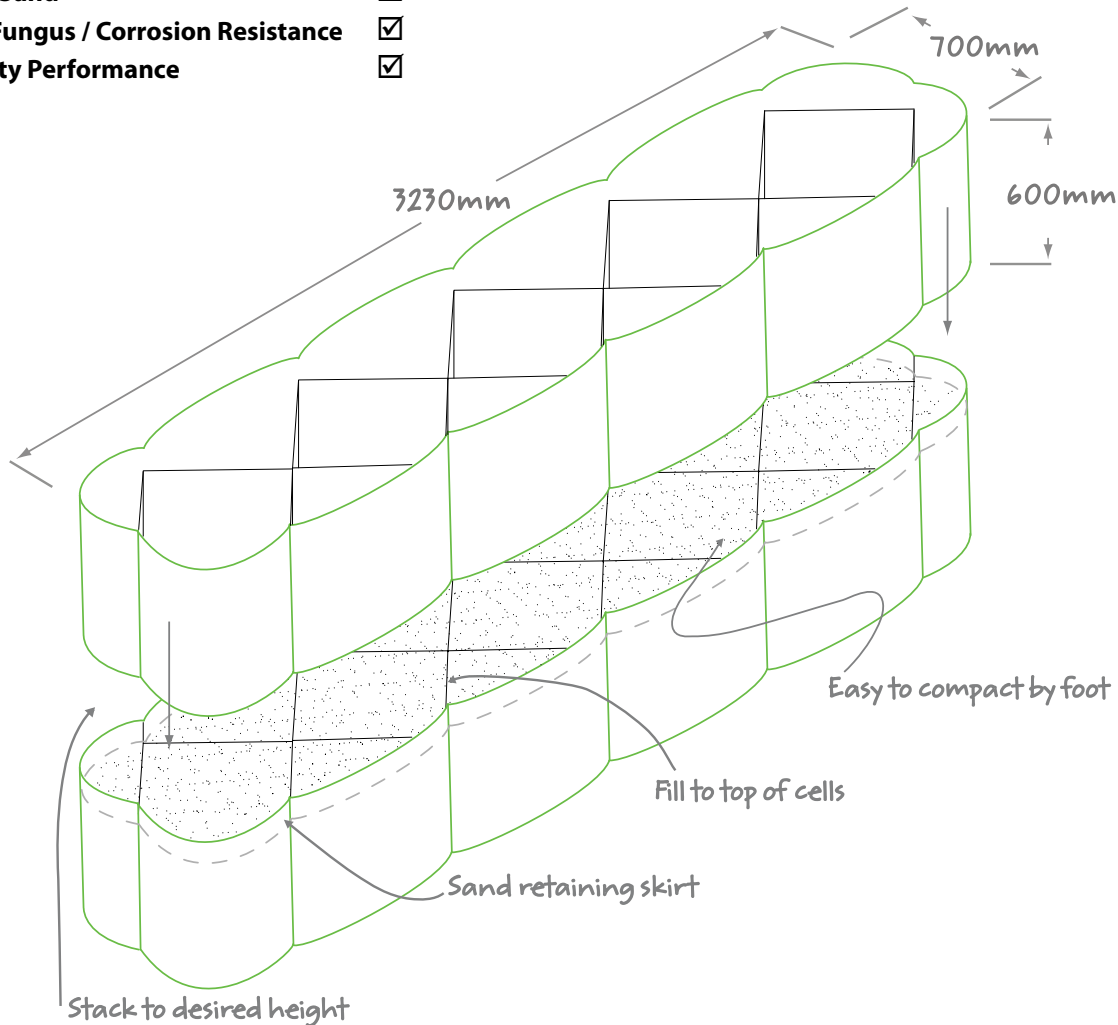
DEFENCELL has been extensively tested:

Environmental

- High Temperatures/ Low Temperatures
- Humidity/Contamination by Fluids
- Direct Sunlight/ UV Degradation
- Blowing Sand
- Mildew Fungus / Corrosion Resistance
- Fire Safety Performance

Protection

- Ballistic testing
- Blast Mitigation



Transportability – Packing & Coverage

	1 section	1 pallet	20' ISO
Quantity of LITE	1	40	800
Weight	3.6 kgs	190 kgs	3,800 kgs
Filled Volume	1.35 m ³	54 m ³	1080 m ³
0.60m high wall (1 layer)	3.20 m long	128 m long	2,560m long
1.10m high wall (2 layers)		64 m	1,280 m
1.60m high wall (3 layers)		42 m	840 m
Sandbag Equivalent	100	4,000	80,000

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