

HIGH QUALITY CONTAINMENT STRUCTURE FOR DEFENCE AND SECURITY

Defencell® MAC is a multicellular structure specifically developed to provide force protection against a range of ordnance, explosive and vehicle attacks. The system is based on our original wire mesh defensive barriers for troop protection, used for the first time in WW1; and now, brought up to date to meet today's demands.

Available in a variety of sizes, **Defencell® MAC** can be quickly deployed and filled in place to obtain a defensive modular barrier. The units can be stacked to form higher structures as needed to protect bases, camps, depots, vehicles or critical infrastructure. Units are also used in civilian environments to protect major buildings, airports or other facilities at risk of attack.

Defencell® MAC is an expeditionary barrier system (EBS, compliant with MIL-DTL-32488) made of welded wire mesh. The mesh is internally lined with a non-woven geotextile to confine the filling material inside each cell. The lining is overlapped and attached to the top edge of the unit, while the lower part of the fabric is left loose in order to form a soil retention seal, once internally folded on site.

The geotextile is specially designed to provide extended UV resistance compared to the standard non-woven geotextiles.

Defencell® MAC units can be longitudinally joined using connecting pins to achieve the required length of the structure. Furthermore, the units can be stacked to form taller structures as needed to protect bases, camps, depots, vehicles or other infrastructure.

Defencell® MAC is particularly suited to provide ballistic protection, blast mitigation and protection against hostile vehicle intrusions.

Advantages of **Defencell® MAC**:

- M** Easy to transport and handle
- M** Rapid and easy to deploy
- M** Suitable to be filled with material available on site

Defencell® MAC has been tested against a wide range of ballistic threats and different explosive charges, and meet the protection requirements of **STANAG 2280**.

DEFENCELL



MAC



Construction of barrier for military protection



Protection of a sensitive site with Defencell® MAC

Defencell® MAC is available in the following sizes:

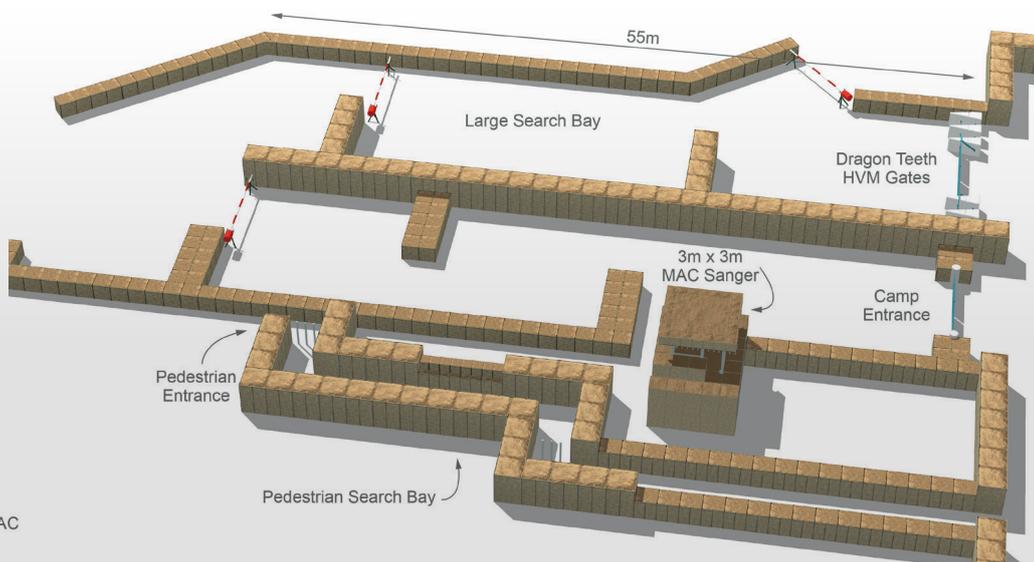
Model	Height (m)	Width (m)	Length (m)	Required fill in m ³
MAC 1	1.37	1.06	10.00	20.00
MAC 2	0.61	0.61	1.22	0.50
MAC 3	1.00	1.00	10.00	11.00
MAC 4	1.00	1.50	10.00	19.00
MAC 5	0.61	0.61	3.05	1.60
MAC 6	1.68	0.61	3.05	4.00
MAC 7	2.21	2.13	27.74	180.00
MAC 8	1.37	1.22	10.00	22.00
MAC 9	1.00	0.76	9.14	9.00
MAC 10	2.21	1.52	30.50	140.00
MAC 11	1.22	0.30	1.22	0.60
MAC 12	2.13	1.06	33.00	93.15
MAC 19	2.74	1.06	3.18	12.00



Filling of the Defencell® MAC units



Defencell® MAC completed installation



Materials:
DEFENCELL MAC

Vehicle Control Point with Defencell® MAC, Entrance

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