

CHECKMATE GEOCELL

Checkmate's Geocell TGGs cellular confinement system is an expandable three-dimensional, honeycomb-like structure made from HDPE. It provides a cost-effective solution to confine fill materials to create structural stability. This Geocell System greatly improve the load-bearing capacity of fill materials that are usually unsuitable, such as various types of sands, and rounded stone materials – river gravels. Perforated cell walls of these geocells improve lateral drainage significantly and provide greater frictional interlock with inside fill.

PROPERTIES	UNIT	TGGS200 - 330	TGGS150 - 330	TGGS100 - 330	TGGS75 - 330	TGGS50 - 330
Material		HDPE	HDPE	HDPE	HDPE	HDPE
Stretched Size	m	4.06 * 4.04	4.06 * 4.04	4.06 * 4.04	4.06 * 4.04	4.06 * 4.04
Height	mm	200	150	100	75	50
Welds Distance	mm	330 40 cells/ sqm	330 40 cells/ sqm	330 40 cells/ sqm	330 40 cells/ sqm	330 40 cells/ sqm
Seam Peel Strength	N ≥	2400	1800	1200	900	600
Foil Thickness	mm	1.20 +/- 0.05	1.20 +/- 0.05	1.20 +/- 0.05	1.20 +/- 0.05	1.20 +/- 0.05
Carbon Black	%	1-2	1-2	1-2	1-2	1-2
STANDARD PACKAGING						
Quantity per piece	sqm	16.4	16.4	16.4	16.4	16.4
Loading Qty per 40 ft HC container	sqm	5740	8525	11480	17056	22960

Notes: (1) Typical standard sizes are shown. The geocells may be fabricated to suit the contractor's requirement in terms of cell sizes, depths, section lengths and facia colors to meet project needs. (2) The container loading quantity is estimated.

CHECKMATE Geocell Typical Applications:

- Slope and channel protection
- Load support and earth retention applications
- Landfill cover applications
- Detention pond protection
- Dam face protection
- Storm water containment basins
- Embankments
- Channel lining and shore lining systems
- Erosion control



Disclaimer: Checkmate reserves the right to change these specifications without notice and at its sole discretion. The user of this specification sheet is required to obtain formal confirmation from Checkmate of the current specification of the product it intends to use.