



**GATOR GRID GG 50-50 BIAXIAL NO MEMORY (3420 lbf/ft)**  
**BIAXIAL GATOR GRID FOR: LARGE & MUTI-LEVEL ENGINEERED WALLS & MORE**  
TDS Revision Date (dd/mm/yyyy): 24/01/2022

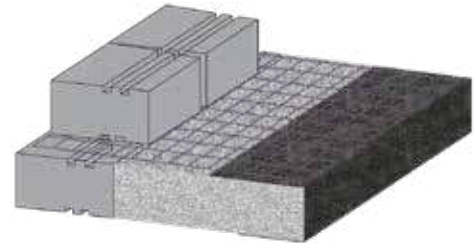
## TECHNICAL DATA SHEET

**Update:** January 24, 2022  
Make sure you have an updated data sheet on hand.  
Canada and U.S. dial 1-855-847-7767 or (450) 624-1611

**Description:** **GATOR GRID GG 50-50**, a biaxial geogrid, provides strength, longevity, excellent stress transfer and prevents failure of the internal structure of high retaining walls being single or multi levels and controlling erosion in steep slopes applications. As a biaxial geogrid, **GATOR GRID GG 50-50** has a high molecular weight as well as high-tenacity polyester yarns which are woven in tension and finished with a PVC coating.

**Features:**

- Biaxial: can be installed in both directions
- Pliable, stay 100% flat when unrolled
- Ageing resistant
- High tensile strength
- Adds strength, stability and longevity
- Easily combined with gravel and soil
- Helps reduce stress and load transfer to the structure
- Soil separation for added stability
- UV-Resistance



**Uses:**

- Raised patio internal structure
- High retaining wall structure
- Roadway structure
- Parking space structure
- General landscape
- Soil stability
- Erosion control
- Staircase internal structure
- Subgrade stabilization
- Large and muti-level engineered retaining walls
- Steep slope

**Roll sizes:**

- 6' X 150'
- 12' X 150'



**GATOR GRID GG 50-50 BIAXIAL NO MEMORY (3420 lbf/ft)**  
**BIAXIAL GATOR GRID FOR: LARGE & MUTI-LEVEL ENGINEERED WALLS & MORE**  
 TDS Revision Date (dd/mm/yyyy): 24/01/2022

**Typical Properties:**

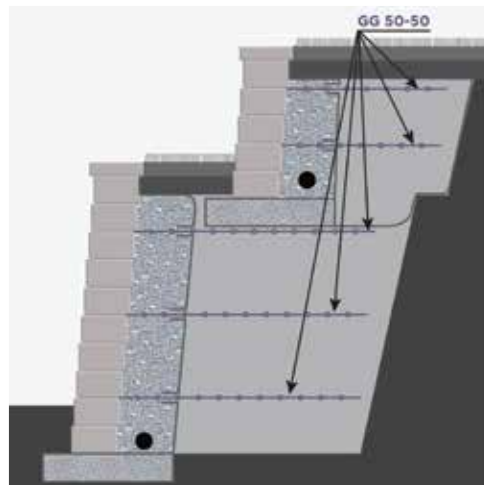
| Properties                     | Test method (ASTM) | Units               | Results                |                      |
|--------------------------------|--------------------|---------------------|------------------------|----------------------|
|                                |                    |                     | Machine Direction (MD) | Cross Direction (CD) |
| Tensile Strength (at ultimate) | D6637              | Lbf/ft (KN/m)       | 3420 (50)              | 3 420 (50)           |
| Elongation                     | D6637              | %                   | >15%                   | >15%                 |
| Tension at 2% Elongation       | D6637              | Lbf/ft (KN/m)       | 633 (9.25)             | 633 (9.25)           |
| Tension at 5% Elongation       | D6637              | Lbf/ft (KN/m)       | 1043 (15.25)           | 1043 (15.25)         |
| UV Resistance                  | D4355              | % strength retained | 70                     |                      |
| Aperture size                  |                    | (mm)                | 27 X 37                |                      |

| Reduction Factors & Long-Term Design Strength (LTDS) |                         |      |
|--|-------------------------|------|
| RFCR   | 120 yrs life, 40°C temp | 1.52 |
| RFD  | pH = 4 to 9             | 1.1  |
| RFDI   | Sand/Silt/Clay          | 1.1  |
|  | <38 mm Gravel           | 1.15 |
| LTDS (Sand/Silt/Clay); pH = 4-9                      |                         | 27   |
| LTDS (Gravel<38 mm); pH=4-9                          |                         | 26   |

**Installation instructions:**

Method of installation of of **GATOR GRID GG 50-50 Biaxial (3420 lbf/ft)** soil stabilization for added stability:

**Anchor and stretch GATOR GRID GG 50-50 BIAXIAL before installing the next layer of aggregate and block.**



**\*This drawing is issued for information only. Do not use for construction.  
 Do not measure from this drawing.**



**Flexlock**  
 1800 Berlier st. suite 200, Laval, Quebec, Canada H7L 4S4  
 Tel.: 450 624-1611 Fax : 450 624-1622 Toll free : 1 866-212-1611  
 www.flex-lock.com - E-mail : info@flex-lock.com



**GATOR GRID GG 50-50 BIAXIAL NO MEMORY (3420 lbf/ft)**  
**BIAXIAL GATOR GRID FOR: LARGE & MULTI-LEVEL ENGINEERED WALLS & MORE**  
TDS Revision Date (dd/mm/yyyy): 24/01/2022

**Application instructions:**

| Size of the roll | Lbs / Roll       | Packaging |
|------------------|------------------|-----------|
| 6' X 150'        | 59.5 LBS / 27 KG | 30 / PAL  |
| 12' X 150'       | 120 LBS / 54 KG  | 5 / PAL   |

**Disclaimer for Gator Grid GG 50-50:**

The soil composition may vary from location to location. Global stability of the soil has not been considered. It is the owner's responsibility to take into consideration the soil parameters indicated on the label and to ensure that the soil's properties meet construction standards. A soil analysis must be done before starting any wall project. Before the construction of your segmental wall and before using any type of Gator Grid and establishing the placement, consult a qualified local engineer and obtain a stamped plan. To ensure the structural integrity of your segmental retaining wall, follow manufacturer instructions and installation steps for the construction of your wall. These placement tables are not to be used on multi-tiered walls or in areas with excess water runoff, seepage or springs, unless first otherwise confirmed by a qualified local engineer. Additional Gator Grid than what appears on the label may be required in your application. This document should not be construed as engineering advice. We assume no liability of any kind if the instructions in the present disclaimer are not followed or if the owner's use of the product is different than the one for which it is intended.