

## GeoMason™



The GeoMason Bag is an alternative type of gravity wall and erosion control.

- Heavyweight nonwoven geosynthetic material
- The material is used for filtration, soil retention and a barrier separation between contaminants carried by storm water runoff and the soil.
- The bags hold soil to create wall of growing medium.
- The bags are planted with permanent vegetation to grow a green wall
- The weight of the filled bags, the cleat and the root growth (over time) form a strong retaining wall.

### **Features:**

The GeoMason Bag holds soil to promote permanent vegetation. Since the bags are water permeable, the bag and the soil filter water to protect the environment. Further, water permeable bags are very root friendly by providing stable soil with high moisture content for growth.

## Green Wall Systems GeoMason Bags



| Property Physical         | Test Method | Units         | Results |
|---------------------------|-------------|---------------|---------|
| Grab Tensile Strength     | ASTM D4632  | Lbs.          | 100     |
| Grab Elongation           | ASTM D4632  | %             | 50      |
| Trapezoidal Tear Strength | ASTM D4355  | Lbs.          | 50      |
| Puncture Strength         | ASTM D4833  | Lbs.          | 65      |
| Mullen Burst              | ASTM D3786  | Psi           | 190     |
| UV Resistance             | ASTM        | % of strength | 70      |

| Property Physical     | Test Method | Units      | Results |
|-----------------------|-------------|------------|---------|
| Permittivity          | ASTM D4491  | Sec-2      | 2.0     |
| Water Flow            | ASTM D4491  | Gpm/ft2    | 150     |
| Apparent Opening Size | ASTM D4751  | U.S. Sieve | 50      |

\*as maximum average roll value

### Applications

- There are a variety of applications for the material and bags. These include filtration, separation between contaminants carried by storm water runoff and the soil.
- The bags hold soil to create wall of growing medium.
- The bags are planted with permanent vegetation to grow a green wall
- The weight of the filled bags, the cleat and the root growth (over time) form a strong retaining wall.

| Description              | Model Number |
|--------------------------|--------------|
| <b>GeoMason Set - SM</b> | GM Set - SM  |
| <i>Includes:</i>         |              |
| 1 GeoMason Bags 15"x24"  |              |
| 1 GeoMason Cleat 3"x10"  |              |
| <b>GeoMason Set - LG</b> | GM Set - LG  |
| <i>Includes:</i>         |              |
| 1 GeoMason Bags 15"x34"  |              |
| 1 GeoMason Cleat 3"x10"  |              |