



GEO-MAT or GEO-MAT PLUS SHEET WATERPROOFING

PRODUCT DESCRIPTION:

The Geo-Mat and the Geo-Mat Plus rolls are made of a high-density polyethylene (HDPE) that offers a strong resistance to hydrostatic pressure and excellent drainage.

The dimples are aligned along a vertical and horizontal axis to rapidly channel water from grade to the footer drainage system. The stud shaped dimples provide an air chamber between the roll and wall which keeps the wall dry.

The Geo-Mat Plus is comes with an attached polypropylene geotextile mat.

The Geo-Mat products are considered GREEN products due to the recycled content used to produce the sheets. Standard Geo-mat is 100% recycled content and Geo-mat Plus is 80% by weight due to fabric being virgin material.

There are Geo-mat accessories as well to professionally complete any job.

PURPOSE:

Geo-Mat or Geo-Mat Plus can be used as a foundation dampproofing as well as a sheet waterproofing material in certain instances. In areas where there is low hydrostatic pressure, for example when a drainage system is installed, the Geo-Mat products can be considered for use as a waterproofing membrane.

The membranes also provide ample strength to protect liquid membranes against back fill soil and sediment and to provide excellent drainage capabilities.

ADVANTAGES:

- Resistance to hydrostatic pressure
- High dimples provide ample drainage capacity
- Resistant to saline solutions, alkalis and acids
- Easy installation

SPECIFICATION:

- Color – Gray
- Dimple Height – .315 (8mm)
- Meets/exceeds ICC-AC114: Acceptance Criteria for Rigid, Polyethylene, Below-grade, Dampproofing and Wall Waterproofing Material and Geo-mat ICC-ESR-3062
- Compression Strength – Geo-mat Plus-7590psf
- Regular Geo-mat-4177psf
- Drainage Capacity - 18 gal/min/ft²
- Low-Temp Flexibility – Remains flexible <-22°F
- Weight- 21.70 oz/yd²-Geo-mat Hc and Plus

PACKAGING/COVERAGE:

6' 9" x 50 & 8' x 50' also avail. 4'x50' in Geo-Mat plus only
337.5 & 400 sq.ft./rolls

SURFACE PREP:

1. Ensure that the surfaces to receive waterproofing are structurally sound and free of loose mortar, fins, metal projections.
2. Remove wall ties.
3. Sweep tops of footer.
4. Determine grade line.

INSTALLATION:

Note: The Geo-Mat unrolls right to left. The top of the roll has a termination edge and the dimples will be facing inward toward the foundation wall. **NOTE** The Geo-Mat Plus is installed with the filter fabric facing out. Regular Geo-Mat is installed with the dimples facing inward.

1. Unroll the Geo-Mat 10' at a time and fasten as needed.
2. Note: It is recommended to allow the Geo-Mat to drape over top of the footing but not required.

3. Starting at a corner one person holds the termination edge to the grade line, while another person installs the Geo Clips along the side edge to hold in place.
 - a. The Geo Clips were designed to help distribute weight of the board and speed up the installation process.
 - b. The clips can be placed every 12 to 15" sporadically along the wall and over the seams. The prongs are placed over the dimples of the roll and a nail is inserted into the preformed center nail hole to attach it to the wall.
 - c. Generally 80-100 clips per 8'x50' roll
4. Install the Geo-Mat Profile along the top edge of the membrane at grade level to prevent soil and water penetration between wall and roll.
 - a. Profile has 8 pre-drilled nail holes for ease of installation.
 - b. Place the profile along the top edge of the roll being sure to overlap the top roll of dimples. Secure with nails.
 - c. Cut off any excess termination strip above profile if any.

INSTALLATION AROUND CORNERS:

1. Inside corners: Press into corners as tightly as possible. After pushing into corner, install Geo Clips along seam at 12" intervals. Install profile along top edge.
2. Outside corners: Press membrane around the corner and then install Geo Clips along seam at 12" intervals keeping membrane as tight against the wall as possible.

JOINTS & OVERLAPS:

1. Where seams come together overlap the dimples 6" and use Geo Clips every 12" – 15" to create continuous coverage of the wall.
2. For installation higher than 8', install bottom course first and then overlap the top course onto the bottom by at least 6".
3. Once you have reached the grade line, a utility knife or similar tool can be used to cut the roll to the correct height.

PROFILE:

It is recommended to install the Mar-flex profile along any below grade cut of the membrane such as at windows, walkouts, vertical termination, etc.

ADHESIVE BAND:

When desired, the adhesive band can be used to seal overlaps or other critical points.

1. Apply the Adhesive Band between the two layers on the flat part (not the dimpled side). The adhesive band can be cut with a utility knife or similar.

REPAIRS (PRIOR TO BACKFILLING):

1. Cut a patch piece large enough to overlap the surrounding areas by 6".
2. Apply a sealant around damaged area.
3. Install patch piece being sure to interlock dimples.

SERVICE PENETRATIONS:

1. Place the Geo-Mat membrane flush to penetration.
2. Cut the Geo-Mat vertically, fastening with Geo-Clips.
3. Restart application on the other side of penetration, unrolling enough to go around the penetration plus an additional 6" and cut.
4. Take a utility knife and cut a horizontal slit in this piece at the center point of the penetration.
5. Push membrane snug around penetration and trim as needed.
6. Peel back trimmed membrane and seal around penetration with mastic and push the membrane back snug.
7. Interlock overlapping dimples and use fasteners on both top and bottom slits.



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CLEAN UP:

1. Clean up debris around jobsite.
2. Recycle when possible.
3. Disposal methods must be in compliance with all federal, state and local laws and regulations.

PRODUCT HANDLING/STORAGE:

- Do not store in sunlight for more than 15 days

WARNING/DANGERS:

- See MSDS for additional information

WARRANTY:

30yr Residential Product Only Warranty:

We warrant the product to be of good quality and manufactured to meet published physical properties and quality control standards.

Except as specifically provided herein, Mar-flex makes no warranty, express, implied or oral including but not limited to any warranty or merchantability, fitness for a particular purpose, usage of trade, course of dealing or course of performance in connection with this agreement. In no event shall Mar-flex be liable on any such warranty with respect to the product. Mar-flex shall not be liable for incidental or consequential damages including, but not limited to damages of the structure, its replacement, contents or personal injury. Some states do not allow limitations on how long an implied warranty lasts or allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

HEALTH AND SAFETY INFORMATION IS GIVEN IN THE MATERIAL SAFETY DATA SHEET AVAILABLE FOR THIS PRODUCT. THE MATERIAL SAFETY DATA SHEET SHOULD BE READ AND UNDERSTOOD BEFORE USING THIS PRODUCT.