



## DRAIN & DRY BOARD with ECOSE Technology INSTALLATION INSTRUCTIONS

### PRODUCT:

Drain & Dry Board with ECOSE Technology is a semi-rigid board made from inorganic glass fibers, bonded with a revolutionary new binder chemistry that does not contain phenol, formaldehyde, acrylics or artificial colors.

### PURPOSE:

Drain & Dry Board, when installed from the footing to the sill plate, addresses a major source of energy consumption; the conditioned but un-insulated basement and lower levels of a home.

Drain & Dry Board acts as a drainage medium to channel ground moisture down into the buildings drain tile system.

The board also protects the Mar-flex waterproofing membrane, especially during backfilling or other construction activity.

### SPECIFICATIONS:

- Compressive Strength (Per Square Foot) – ASTM C-165
  - ¾" - 46.8 psf
  - 1<sup>3</sup>/<sub>16</sub>" - 22.72 psf
  - 2<sup>3</sup>/<sub>8</sub>" - 30.72 psf
- Drainage Capacity - (Gallons Per Hour, Per Lineal Foot) (K97) ASTM D-4716-87
  - ¾" - Up to 65 gal/hr/lin.ft.
  - 1<sup>3</sup>/<sub>16</sub>" - Up to 125 gal/hr/lin.ft.
  - 2<sup>3</sup>/<sub>8</sub>" - Up to 190 gal/hr/lin.ft.
- Density – (All 4.0 nominal) (Pounds Per Cubic Foot)
  - ¾" - 4.39 pcf
  - 1<sup>3</sup>/<sub>16</sub>" - 3.8 pcf
  - 2<sup>3</sup>/<sub>8</sub>" - 4.2 pcf

### PACKAGING (Pieces Per Bundle):

- ¾" x 3' x 4' - (18)
- 1<sup>3</sup>/<sub>16</sub>" x 3' x 4' - (12)
- 2<sup>3</sup>/<sub>8</sub>" x 3' x 4' - (6)

### COVERAGE (Square Footage Per Bundle):

- ¾" - 216
- 1<sup>3</sup>/<sub>16</sub>" - 144
- 2<sup>3</sup>/<sub>8</sub>" - 72

### PREP/APPLICATION:

Apply one of the Mar-flex waterproofing membranes following the current installation instructions.

While the membrane is still tacky, start at a bottom corner of the foundations, install the Drain & Dry

over the coated sections of the wall. The boards should be placed side by side, extending from the top of the footers to finished grade.

If boards are stacked against the wall, maintain a factory-equivalent edge at all seams to ensure proper fit and drainage channel alignment.

For good adherence, apply uniform pressure to the board throughout the surface area, not just the edges and corners.

Once the Drain & Dry Board is positioned, Geo Clips can be used at all corners and seams to secure and hold the board in place against the wall until backfilled.

To secure the Drain & Dry using the Mar-flex Geo Clips, place a Geo Clip at each corner making sure that at least two prongs from the Geo Clip is placed in each board. When securing the Drain & Dry at the seams, place a Geo Clip in the middle of the boards making sure that there is one prong in each board.

Once the Geo Clips are in place, install them using concrete nails.

If the board overlaps the membrane once you have reached the grade line, a utility knife or similar tool can be used to cut the boards to the correct height.

### BACKFILLING/DRAINAGE:

Backfilling should begin no sooner than 24 hours after the installation of the board, but must be backfilled within 15 days.

#57 Gravel or equivalent must be no less than 2' high at the base of the foundation and 1' in depth away from the foundation walls.

Adequate interior and exterior foundation drainage at the base of the foundation walls or across any floors must be properly installed and working. Adequate drainage in landscaping beds adjacent to the foundation must be installed. Gutters and downspouts must be installed and functioning properly.

Final grade must not extend above the membrane or membrane and board system and must slope away from the foundation at a minimum of

½" per foot for the first 12' from the structure.

### CLEAN UP:

Disposal methods must be in compliance with all federal, state and local laws and regulations.

### PRODUCT HANDLING/STORAGE:

- Maintain good housekeeping
- Keep board dry

### WARNING/DANGERS:

- Use safety glasses/Dust Mask
- Protect from flame and other high heat sources

### 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 AND THE PRODUCT DATA SHEET AVAILABLE FOR THIS PRODUCT. THESE SHOULD BE READ AND UNDERSTOOD BEFORE USING THIS PRODUCT.