



# Neo-Foam Foundation Insulation Board

## PRODUCT DESCRIPTION:

Neo-Foam Foundation Insulation Board is constructed of expanded polystyrene and has considerably better thermal insulation capacity than conventional EPS products.

## PURPOSE:

Neo-Foam Foundation Insulation Boards are the solution for architects, contractors and builders alike. The high-tech Neopor foam sets new standards for insulating efficiency and environmental compatibility all while using far less product to achieve the same insulating effect.

It also protects the Marflex waterproofing membrane, especially during backfilling or other construction activity while providing insulation value.

It can also be used underneath concrete slabs to insulate and create a vapor barrier to reduce condensation.

## ADVANTAGES:

- Combines high R-value, and superior moisture protection into one product
- Protects foundation waterproofing
- Light-weight, Easy to handle and install
- Can be used in any geographical area
- Not a food source for insects or other any animals
- Less than .2% water absorption, thus maintaining its R-value
- May be used to qualify for LEED credits

## SPECIFICATIONS:

- Compressive Strength – ASTM 1621 – 10 psi for all board sizes
- Permeability –ASTM E 96 – 0.5 max perm/in for all board sizes
- Thermal Resistance (R value)–ASTM C-518 – 3/8" = 2.8, 1.125" = 5.1, 2.25" –10.2

## PACKAGING:

3/8" x4'x8' (256 pcs/skid) 1.125" x 4' x 4' – (85pcs/skid); 2.25" x 4' x 4' – (42pcs/skid)

## COVERAGE:

3/8"-8192 sq.ft/skid ; 1.125" – 1360 sq.ft/skid; 2.25" – 672 sq.ft/skid

12 pallets per truckload for 3/8", 22 pallets per full truckload on other sizes

## PREP/APPLICATION FOR VERTICAL WALLS:

Apply one of the Marflex waterproofing membranes following the current installation instructions. While the membrane is still tacky, install the Neo-Foam Foundation Drainage Board over the sprayed sections of the wall.

The boards should be placed side by side, extending from the top of the footers to finished grade with the metallic side of the board facing you

Apply uniform pressure to the board throughout the surface area, not just the edges and corners. Note: If boards are stacked, maintain a factory-equivalent edge at all seams to ensure proper fit.

If needed, secure panels to the wall using powder actuated mechanical fasteners. Install top fasteners within the top 4" (102 mm) of each panel.

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.

## PREP/APPLICATION (UNDER SLAB):

Gravel should be built up to grade and then tamped. Place a 6-mil vapor retarder sheet over gravel.

If Neo-Foam is used to insulate between the foundation wall and the concrete slab, cut pieces to the appropriate sizes and place against the foundation wall with ends tightly butted. Be sure design allows for coverage of the Neo-Foam on the interior.

Place the Neo-Foam over the vapor retarder sheet butting edges up to one another.

Install concrete slab over the Neo-Foam.

## BACKFILLING/DRAINAGE

Backfilling should begin no sooner than 24 hours after the installation of the board, but must be backfilled within 15 days when used in conjunction with a Mar-flex Waterproofing System.

#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. Gutters and downspouts must be installed and functioning properly.

Adequate drainage in landscaping beds adjacent to the foundation must be installed.

Final grade must not extend above the waterproofing system and must slope away from the foundation at a minimum of 1/2" 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

## WARNING/DANGERS:

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

**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.**

## LIMITED WARRANTY:

Every reasonable effort is made to apply Marflex exacting standards in both the manufacturing of products and in the information, which we issue concerning these products and their use. We warrant these products to be of good quality and will replace or, at our election, refund the purchase price if any products are proven defective. Satisfactory results depend not only upon quality products but also upon many factors beyond our control. Therefore, except for such replacement or refund, Marflex makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and Marflex shall have no other liability with respect thereto.

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