



*Commercial Foam*

# ArmorFoam/25-40

**PRODUCT DESCRIPTION:**

ArmorFoam Board is constructed of expanded polystyrene and has considerably better thermal insulation capacity than conventional EPS products.

**PURPOSE:**

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

The ArmorFoam is an expanded polystyrene foam insulation board that meets the needs of the commercial foundation and building floor slab market where a high psi is required. This insulation can also be used for attics, foundations/slabs and crawl spaces in residential applications. ArmorFoam Graphite-Enhanced Expandable Polystyrene Foam (GPS) Insulation has more than 30 years of proven performance in wet environments. The closed-cell structure of ArmorFoam Expanded Polystyrene Foam (GPS) Insulation resists water pickup, enabling it to retain a high R-value\* over time – a necessary property in wet, below-grade commercial foundation applications.

ArmorFoam can be used against commercial interior walls and exterior foundation walls in above- and below-grade applications. ArmorFoam can be used under the slab or over the deck or subfloor. ArmorFoam is suitable for use in pervious, semi-pervious and practically impervious soils.

**PREP/APPLICATION (UNDER SLAB):**

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

**ADVANTAGES:**

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

**SPECIFICATIONS:**

- Compressive Strength – ASTM 1621 – **25psi and 40psi** for all board sizes
- Permeability –ASTM E 96 – 2.5 max perm/in for all board sizes
- Thermal Resistance (R value)–per inch thickness - 4.7

**PACKAGING:**

- 1.188" x 4' x 8' – (R-5) 20 sheets per bag
- 2.375" x 4' x 8' – (R-10) 10 sheets per bag

**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 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 Mar-flex 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, Mar-flex makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and Mar-flex shall have no other liability with respect thereto.

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