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## **SAV+R Installation Guidelines**

The intent of this document is to provide guidance on the installation of Plymouth Foam's SAV+R™ Engineered Expanded Polystyrene (EPS) products in residential and commercial construction.

### **I. General**

- A. Optimum performance of Plymouth Foam's SAV+R™ Engineered EPS products is dependent on 1) selection of the correct product for the assembly or application into/on which it is to be placed and 2) following these installation instructions.
- B. Care should be used to protect and store product. All boards should be in good condition before installation.
- C. It is recommended that any masonry irregularities or jagged surfaces on the foundation wall or slab be removed prior to installation. Foundation walls should be protected from moisture leakage and dampness prior to installation of SAV+R™. Code approved drainage systems should be installed. Ensure foundation drainage meets local codes.

### **II. SAV+R Foundation Product Specification**

- A. Molded and Shaped Engineered Polystyrene Foam Foundation Insulation
  - 1. SAV+R F0519- R-Value of board R5 at 75°F, R5.4 at 40°F
  - 2. SAV+R F1015- R-Value of board R10 at 75°F, R11 at 40°F
  - 3. SAV+R F1515- R-Value of board R15 at 75°F, R16.3 at 40°F
  - 4. RID Technology™
    - a. Incorporated Stress Reducers™
    - b. ASTM C578 R-Value
    - c. Easy Flow Drainage Pathways™ (EFDP)

### **III. Foundation Wall – Exterior**

- A. Prior to backfilling, install SAV+R™ to the exterior, from top of footing to the full height of the foundation wall. Trim insulation where necessary, yet keep a proper fit.
- B. Adhere or fasten SAV+R™ with Easy Flow Pathways positioned vertically with edges tightly butted and vertical joints staggered. Joints and openings may be sealed with foam joint tape.
- C. Adhere SAV+R™ with construction adhesive compatible with polystyrene at the peak of the Stress Reducers. Mechanically fastening boards should be done with care as to not over drive the fastener. Fastener should be installed only through the Stress Reducer.

### **IV. Caution and Care**

- A. Extreme care should be taken when backfilling and compacting SAV+R™.
- B. SAV+R™ is a polystyrene and should be covered and protected from UV light long-term.

- C. Any deformation of the application surface can result in a weakening of the attachment points and / or cracking of the insulation.
- D. There should be no voids or gaps in the insulation itself, around any objects that penetrate the insulation or at the interface.
- E. SAV+R™ Insulation is not structural product.
- F. Check with your local building inspectors for all codes that could affect this product.

Always consult with the local building inspector for current codes.

Plymouth Foam and its Associates assume no obligation or liability for the information in this document. Call Plymouth Foam's Technical Department for up to date information.

SAV+R™ is a patent pending product and is protected by the United States Department of Commerce and all regulations.

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