

TeifsDRAINBOARD & CHANNELBOARD

TeifsDRAINBOARD is an exclusive patented expanded polystyrene insulation board with moisture drainage channels running horizontally and vertically through the board to ensure moisture drainage.

TeifsCHANNELBOARD has 1 inch drainage channels running vertically every 11".

Starter tracks with weep holes are installed with the drainage boards to catch the incidental moisture and allow it to drain to the exterior.



DRAINBOARD



CHANNELBOARD

Member of:



Teifs DRAINBOARD & CHANNELBOARD

Specifications: Teifs DRAINBOARD and CHANNELBOARD for Teifs Wall Assemblies with Drainage

1. Scope

This specification covers Type 1 Expanded Polystyrene Insulation Board ASTM C578 to be used with the Teifs Wall Systems with drainage.

2. Materials and Manufacturer

2.1 Insulation board shall be formed by steam expansion of Polystyrene resin beads in a closed mold. The insulation board shall be of uniform density and have essentially closed cells.

All insulation board shall contain sufficient flame retardants to meet the oxygen index, flammability and smoke development requirements of this specification. Contact Teifs for more information.

2.2 All insulation boards shall be molded from modified grade expanded polystyrene meeting requirements of the building code having jurisdiction. The addition of scrap or regrind is not permissible.

2.3 The expandable polystyrene must meet rigid screening to meet PSA (particle size analysis) specified by Teifs. The molecular weight shall be specified by Teifs.

3. Inspection Requirements

3.1 In accordance with the Third Party Certification and Quality Assurance Program.

3.2 Shear modules and tensile strength properties are required to be evaluated at the beginning of the program.

4. Qualification Requirements

4.1 Dimensional Requirements:

A. Dimensional Tolerances

1. Length: 48" $\pm 1/16"$ (± 1.6 mm)
2. Width: 24" $\pm 1/16"$ (± 1.6 mm)
3. Thickness: 1-1/2" (38.25 mm) to 4" (102 mm) $\pm 1/16"$ (± 1.6 mm),
Channelboard: 1-1/4" (31.8 mm) to 4" (102 mm)

4. Edge Trueness - Unless otherwise specified and approved by Teifs, insulation board shall be furnished with true edges. Edges shall not deviate more than 1/32" (0.8 mm) in 12" (305mm).
5. Face Flatness - Insulation board shall be furnished flat and shall not exhibit any bowing of more than 1/32" (0.8 mm) in the length.

6. Squareness - Insulation board shall not deviate from squareness by more than 1/32" (0.8 mm) in 12" (305 mm) of total length or width.

- ##### B. Drainage channels shall be 1/4" in diameter cut into insulation board at a depth of .375, CHANNELBOARD; 1" wide by 1/4" deep.

- ##### C. Drainage channels shall run both horizontally and vertically, 6" on center, CHANNELBOARD; 11" o.c. vertically.

4.2 Workmanship, finish, and appearance at time of delivery:

A. Defects - Insulation board shall have no defects that will adversely affect its service qualities. It shall be of uniform texture, and free from foreign inclusions, broken edges or corners, slits or objectionable odors.

B. Crushing and Depressions - Insulation board shall have no crushed or depressed areas on any surface exceeding 1/16" (1.6 mm) in depth on more than 5% of the total surface area.

C. voids - Insulation board shall have no more than 8 voids having dimensions larger than 1/8" (3.2 mm) x 1/8" (3.2 mm) per 8 sq. ft. (6.45 sq. m) of surface area.

D. Projections - Insulation board shall be free of surface projections or wire marks in excess of 1/16" (1.6mm).

4.3 Combustibility Characteristics:

Insulation board is an organic material and is therefore combustible. It should not be exposed to flames or other ignition sources. The values obtained by ASTM D2863 and ASTM E84 do not necessarily indicate or describe the fire risk of the materials in end use configuration and are used in this specification primarily to distinguish between insulation formulated with flame retardants and those not so formulated.

4.4 Molded Billets:

- A. Molded billets shall be dimensionally stable prior to being cut into boards or special shapes.
- B. Molded billets shall be conditioned in one of 3 ways:
 1. Molded billets shall be aged (air dried) in ambient conditions for a minimum of (6) six weeks.
 2. Molded billets shall be heat dried for a minimum of (5) five days at a constant temperature of 140 °F (60 °C).

NOTE: Insulation board manufacturers using this method shall advise Teifs, and the Third Party Certification and Quality Assurance Agency, in writing. The Block Molders plant shall be inspected by the Third Party Certification and Quality Assurance Agency, and approved by Teifs, prior to the use of this conditioning method.

3. Method to eliminate expansion agent in billet to establish dimensional stability equal to method 1 & 2.

5. Sampling and Inspection

5.1 Sampling shall be in accordance with the Third Party Certification and Quality Assurance Program.

5.2 As deemed necessary by Teifs Wall Systems.

6. Rejection

6.1 Material that fails to conform to the requirements of this specification shall be rejected. Rejection shall be reported in writing within five (5) days to the producer or supplier and Teifs.

6.2 The insulation board supplier may resubmit rejected materials after removal of that portion not

conforming to this specification.

The re-inspection and resubmittal shall be completed within three (3) days of notification by telephone or written communications.

7. Certification:

7.1 Upon request, certification of compliance with this specification shall promptly be forwarded to Teifs, the Insulation and Finish System manufacturer, or their designee.

8. Product Marking:

8.1 Insulation boards shall be marked (stamped) in accordance with the requirements of this Section.

A. Each board shall be marked on at least one edge.

B. In addition, one board in each package shall be marked on both faces.

8.2 Stamp design and layout shall be in accordance with the requirements of the applicable building code.

NOTE: Suppliers may add their company name if they so desire.

9. Packaging:

9.1 All insulation board shall be packaged in polyethylene bags as required by Teifs.

9.2 Alternate methods of packaging shall be submitted to Teifs and approved in writing prior to use.

9.3 The supplier shall mark lot number on each package as required.



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This information is designed to guide you and has been conscientiously compiled according to the latest state of our technology. No liability can be accepted in connection with the use of the product because of the great variety of applications and working conditions.

WARNING: This product is intended for use with Teifs Wall Systems. Specifications require that only approved or otherwise trained and knowledgeable applicators install such systems. Teifs cannot be responsible for deterioration of the substrate, mold, mildew and wood rot due to water intrusion caused by improper flashing or use of improper flashing materials, improper sealing or caulking and/or use of improper sealants. Maintenance of the EIFS materials and sealants are required.