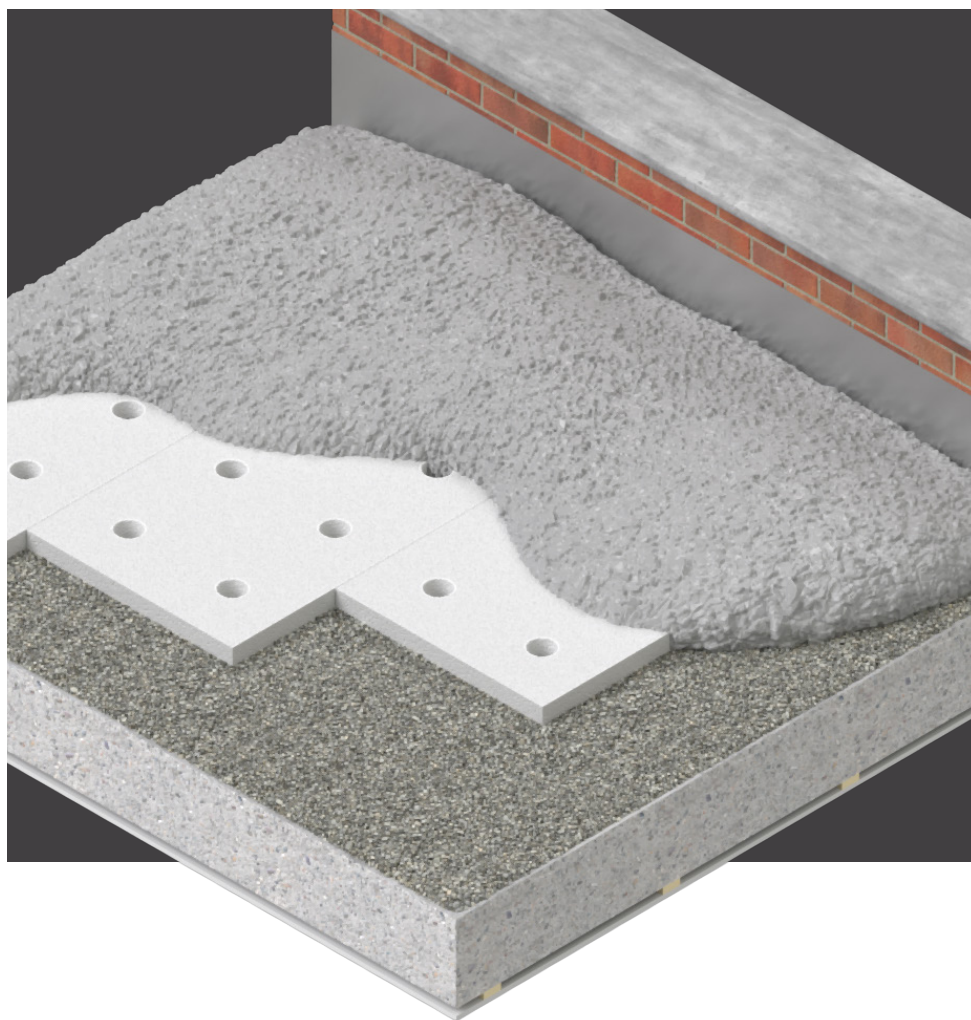


AerorooTM Holey Board

EPS Roofing board for Lightweight Concrete Roofing



- Standard density is 1#
- Contains up to 30% recycled materials
- Manufactured to meet requirements of ASTM C578
- Comprehensive Strength: Minimum 10 psi

AEROROOF™

Holey Board

Description

Kingspan Insulation, LLC ("Kingspan") manufactures closed-cell expanded polystyrene Holey Board which is available in 2ft x 4ft boards, ranging in thickness from ¾" to 20, and profiles as an engineered insulation product. Holey Board EPS comes with factory installed holes. Holey Board is crafted to meet or exceed the standards set by ASTM C578, Type I, which is the recognized specification for rigid cellular polystyrene thermal insulation.

Specifically designed for lightweight insulating concrete roof systems, Holey Board is fully enclosed within the insulating concrete, serving as the primary insulation layer in roofing systems. Alternatively, it can be installed in a stepped manner to assist in creating a sloped or tapered system. For specific system requirements, it's advisable to consult local building codes and lightweight insulating concrete deck manufacturers.

Performance Requirements for ASTM C578 Type I EPS Products

Physical Properties ¹	ASTM Method	Units	Type I
Density (min)	D1622	lb/ft ³	0.90
Compressive Strength at 10% Deformation (min)	D1621	lb/in ²	10.0
Flexural Strength (min)	C203	lb/in ²	25.0
Thermal Conductivity	C518	BTU/(hr. ft. °F)	
75°F			0.278
Thermal Resistance (1" thick) (min)	C518	hr.ft ² .°F/ BTU	
75°F			3.9
Water Absorption (max)	C272	% by Volume	4.0
Water Vapor Permeability - Transmission (max)	E96	perm-inch	5.0
Dimensional Stability (max)	D2126	%	
158°F / 97% RH			2.0
-40°F / Ambient RH			2.0
Oxygen Index (min)	D2863	Volume %	24.0

¹ These are nominal values obtained from representative samples internally or third party tested to meet the requirements of ASTM C578, subject to normal manufacturing variances.

Advantages

- Highly Adaptable: Holey Board offers exceptional versatility by being customizable in various sizes, thicknesses, and profiles, tailored to specific project requirements.
- Reduced Load: Incorporating Holey Board in lightweight insulating concrete applications significantly reduces the structural dead weight, enhancing structural efficiency.
- Its free from CFC or HFC blowing agents.

Compliances and Approvals

EPS insulation products have been tested and found to meet the requirements of the specifications listed below. A Kingspan representative can provide you the assistance in determining the suitability of these and any unlisted specifications.

- ASTM C578
- Product only available from Kingspan Miami facility

AEROROOF™

Holey Board

Handling & Storage

Kingspan EPS is made of synthetic materials that are generally recognized as not providing a food source for insects, fungus, mold, or mildew. It should always be properly stored.

Health & Safety

It should always be properly installed. For detailed safe handling and safety information, refer to the product SDS.

This product should not be used as an exposed interior surface in buildings where people can be expected to be present. An approved fire protection barrier, such as ½" gypsum wallboard or equivalent, should be applied between this product and the interior of such buildings. Fire and building codes should be followed.

All assemblies should be evaluated for effectiveness and location of vapor retarders to avoid condensation and subsequent damage to structures (ASHRAE Handbook of Fundamentals). Since foam sheathings are non-structural, they must be installed over adequately braced framing in accordance with local building codes.

WARNING: Do not stand on or otherwise support your weight on this product unless it is fully supported by a load bearing surface.

For more information on specific building product recommendations and installation guidelines, contact your Kingspan Insulation LLC representative.

Kingspan Insulation LLC believes the information and recommendations herein to be accurate and reliable. However, since use conditions are not within its control, Kingspan Insulation LLC does not guarantee results from use of such products or other information herein and disclaims all liability from any resulting damage or loss. No warranty, express or implied, is given as to the merchantability, fitness for particular purpose, or otherwise with respect to the products referred to.

Sustainability

EPS rigid foam insulation is an inert, organic material produced from petroleum and natural gas by-products. Our EPS product does not contain chlorofluorocarbons (CFCs) or hydro-chlorofluorocarbons (HCFCs). It provides no nutritive value to plants, animals or micro-organisms.

Fabrication and Installation

EPS is easily fabricated after manufacture to meet specific design and dimensional requirements. Because of its light weight, it is easily stored, handled, and installed on the job site. They are cut and shaped to the desired dimensions using specialized cutting tools. This allows Kingspan to create Flute Fillers of various sizes and shapes to meet specific project requirements.

Other EPS Products

- Architectural shapes for decorative and architectural applications; an excellent alternative to wood or concrete
- Insulated Concrete Forms



Please scan the QR code for the most recent product information.

Kingspan Insulation LLC

6120 Powers Ferry Road NW | Suite 350
Atlanta | Georgia 30339

T: (800) 336 2240

E: technicalinsulationus@kingspan.com

www.kingspaninsulation.us

© Kingspan, the G Device and the Lion Device are Registered Trademarks of the Kingspan Group plc in the US, Canada and other countries. All rights reserved.

kingspan-aeroroof-holey-board-product-data-sheet-en-us-v3

Version 3 - 04/2026

