

# INSULROOF<sup>®</sup> HB

## INSULATION FOR LIGHTWEIGHT CONCRETE SYSTEMS

### Description

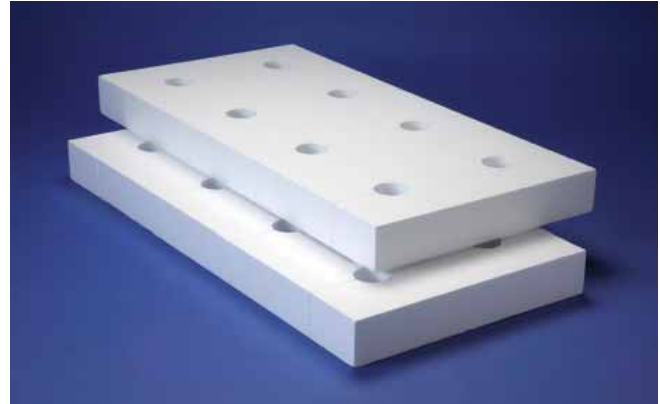
InsulRoof HB (Holey Board) (InsulFoam HB) is an engineered insulation consisting of a superior closed-cell, lightweight expanded polystyrene (EPS) with factory-applied holes. InsulRoof HB is cut from the same high-quality EPS as our flat InsulFoam products and, when requested, will meet or exceed the requirements of ASTM C578, Type I, Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation. InsulRoof HB is typically provided with 6 or 8 holes per board. InsulRoof HB offers a long-term, stable R-value and has excellent dimensional stability, compressive strength and water resistance properties.

### Uses

InsulRoof HB is specifically manufactured for use in lightweight insulating concrete systems that consist of cellular concrete, vermiculite or perlite. InsulRoof HB is fully encapsulated in the insulating concrete, and usually serves as the primary insulation in a roof system. InsulRoof HB can also be installed in a stair-step fashion to aid in creating a sloped or tapered system. Consult local building codes and lightweight insulating concrete deck manufacturers for system requirements.

### Advantages

- **Versatile.** InsulRoof HB can be manufactured in a range of sizes, thicknesses and profiles to meet job-specific needs.
- **Reduced Weight.** The inclusion of InsulFoam HB within lightweight insulating concrete applications reduces the dead weight of a structure.
- **Environmentally Friendly.** InsulRoof HB does not contain any blowing agents, may contain recycled material, and is 100% recyclable if ever removed or replaced.
- **Stable R-value.** The product's thermal properties will remain stable over its entire service life. There is no thermal drift, so the product is eligible for an Insulfoam 20-year thermal performance warranty.



- **Proven Performance.** EPS has been manufactured using the same chemistry since the mid-1950s, providing proven performance.
- **Water Resistance.** InsulRoof HB does not readily absorb moisture from the environment.
- **Code Approvals.** Insulfoam insulations are recognized by the International Code Council Evaluation Service (ICC-ES), and have numerous Underwriters Laboratory and Factory Mutual Approvals. Please contact your local Insulfoam representative for details.

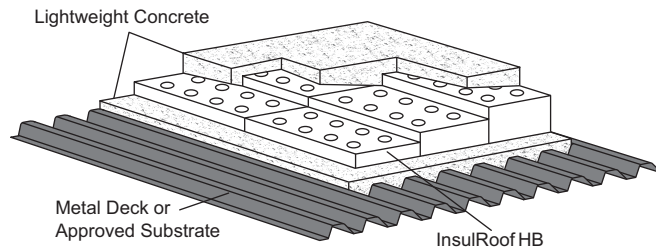
### Sizes

InsulRoof HB is provided in 2' x 4' standard boards with thickness from ¾" to 20", and is readily available in custom lengths and widths with little to no impact on lead time. It is also available in tapered panels.

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## Typical InsulRoof HB Installation



Notes:

- This diagram is not to scale.
- The deck profile and type may vary by market and project.
- The number of holes per InsulRoof HB panel may vary by market and project.