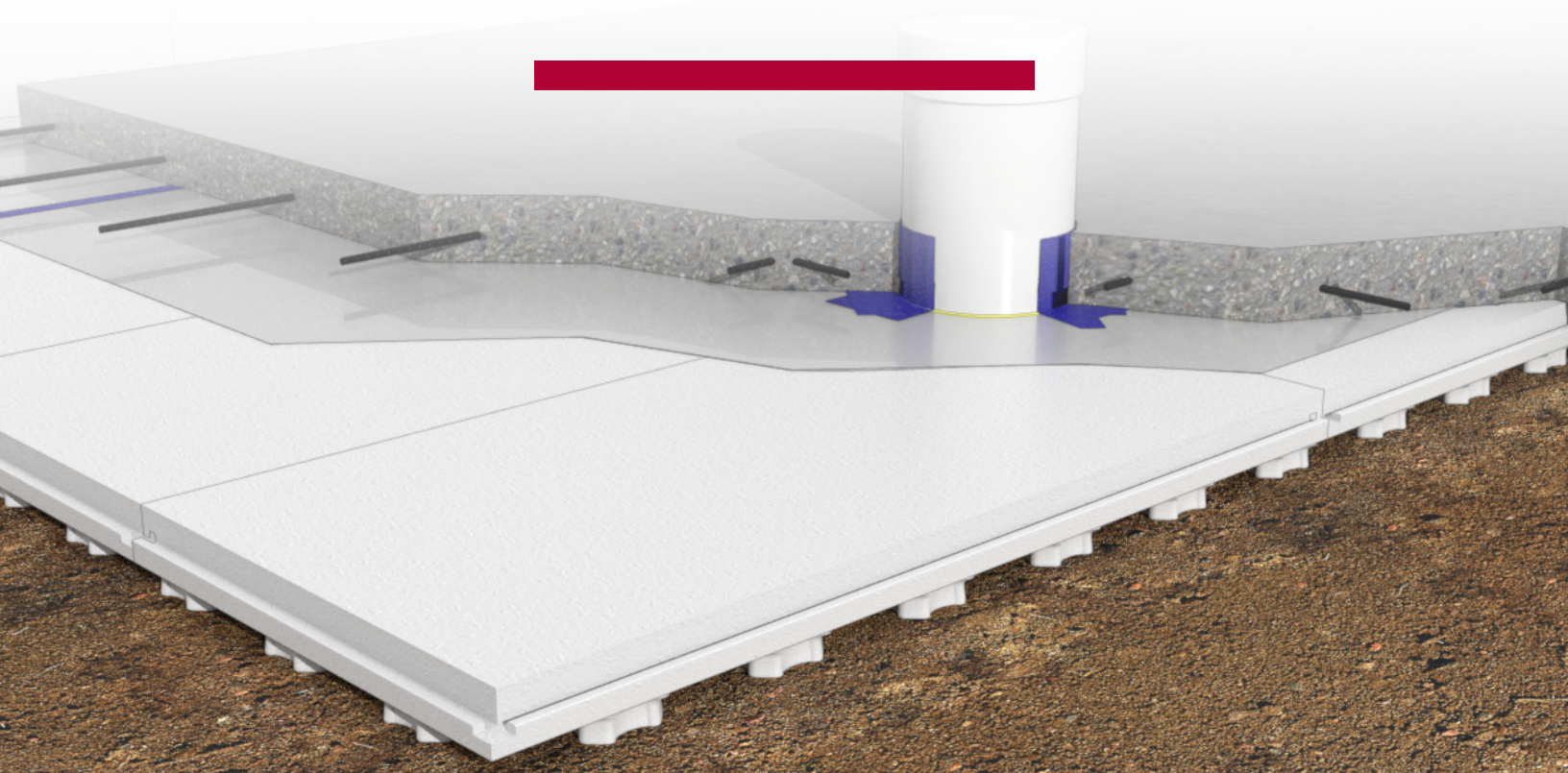




# HEAT-SHEET® HEAVY

## UNDER-SLAB RADON MITIGATION INSULATION LAYER



- 50% more permeable than 4" (0.1 m) of clean granular material!
- Compact (2' x 4') and easy to handle, Heat-Sheet® Heavy Panels securely interlock together
- Provides under-slab insulation in a variety of thicknesses to satisfy a range of insulation values.
- When installed "nodules-down", the interconnected channels allow soil gas movement between the ground and the air barrier system to a venting pipe.
- Eliminates the need for the granular fill that is typically required as the gas permeable layer under slabs.

[Heat-Sheet.com](http://Heat-Sheet.com)

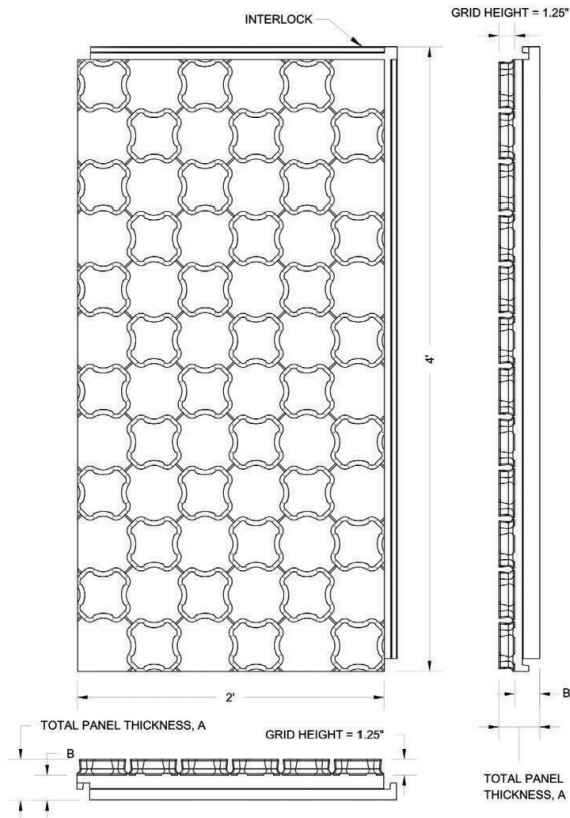
# TECHNICAL INFORMATION

## Specifications

Heat-Sheet® Heavy Panels are made with expanded polystyrene (EPS): a tough, high-density, closed cell foam insulation that is engineered to a minimum compression strength of 25 psi to support the weight of cast-in-place concrete (Higher compression strengths are available upon request.)

Heat-Sheet® Heavy Panels come in a range of thicknesses from 2-3/4" (R-8) to 4-1/8" (R-14/R-16.1).

Heat-Sheet® Heavy's tubing channel system provides proper, multidirectional placement of 1/2", 5/8" or 3/4" I.D. tubing with 4" on-center points.



## Applicability As An Under-Slab Radon Mitigation Insulation Layer

Tested per NRC's Radon Infiltration Building Envelope Test System (RIBETS) to be able to serve, when when placed with the nodules facing down, as an under-slab radon mitigation insulation layer that is 50% more permeable than 4" (0.1m) of clean granular material. Test results available upon request.

## Other Applications

Heat-Sheet® Heavy radiant floor panels, when placed "nodules up", can be used in all underconcrete radiant floor applications, including:

- + Slab-On-Grade Applications
- + Sandwich Slab Applications
- + Snow-Melt Applications
- + Retrofit & Overlay Applications

## Estimating

1. Measure the length and width to determine the size of the area in which you want to install Heat-Sheet® Heavy Panels.
2. The panels are 8 sq. ft. each. Divide the area by 8 to get the number of panels you require.
3. Heat-Sheet® Heavy Panels come bundled in varying quantities as shown in the Size & Packaging Chart. When ordering your panels, round up to the nearest whole bundle.

## Installation Steps

### (FOR CREATING AN UNDER-SLAB RADON MITIGATION INSULATION LAYER)

(Refer to the the Under-Slab Radon Mitigation Insulation Layer Installation Guide for the complete instructions)

1. Level and compact the base material, as required.
2. Install Heat-Sheet® Heavy, "nodules down", on the base material. Heat-Sheet® Heavy acts as the sub-slab ventilation layer, so no additional gas permeable layer, such as granular fill, is required.
3. Since Heat-Sheet® Heavy panels interlock, taping joints is not required.
4. Cut a circular hole in the foam layer with a hole saw or utility knife to accommodate the radon exhaust pipe.
5. Apply spray foam between Heat-Sheet® Heavy and the exhaust pipe for gaps 1/4" or greater.
6. Install an air and vapor barrier layer on top of Heat-Sheet® Heavy, such as 6 mil polyethylene sheets or a peel-and-stick membrane.
7. Provide a minimum 12" lap joint, or as required by local codes or by design. When using 6 mil polyethylene sheets, seal and secure lap joints with low permeance sheathing tape.
8. Cut a hole in the air/vapor barrier to accommodate the exhaust pipe.
9. Seal between the air/vapor barrier and the exhaust pipe with a low permeance sheathing tape or mastic sealant.
10. Seal the perimeter with acoustic sealant between the air/vapor membrane and the foundation wall, grade beam or slab.
11. Pour the slab

## Size & Packaging Chart

Product Description	Nominal Panel Thickness (B)	Total Panel Thickness (A)	Average R-Value	Panels/Bundle <sup>1</sup>	Sq.Ft./Bundle
HSH-R8	1-1/2"	2-3/4"	8	10	80
HSH-R10	2"	3-1/4"	10	8	64
HSH-R12	2-3/8"	3-5/8"	12	6	48
HSH-R14	2-7/8"	4-1/8"	14	6	48
HSH-R16.1 <sup>2</sup>	2-7/8"	4-1/8"	16	6	48
HSH-R20	4-1/4"	5-1/2"	20	6	48

<sup>1</sup> Panels per bundle may vary. Contact your local Heat-Sheet® representative to confirm.

<sup>2</sup> Made with Graphite Polystyrene (GPS) to provide an incremental R-2.1. CCMC EVALUATION LISTING 14007-N

The various panel thicknesses are regionally available. Please confirm product availability in your region.

**HEAT-SHEET.COM**

**FOR MORE INFORMATION:**

Email us at [info@logixbrands.com](mailto:info@logixbrands.com) or Call your local Heat-Sheet® manufacturer below.



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