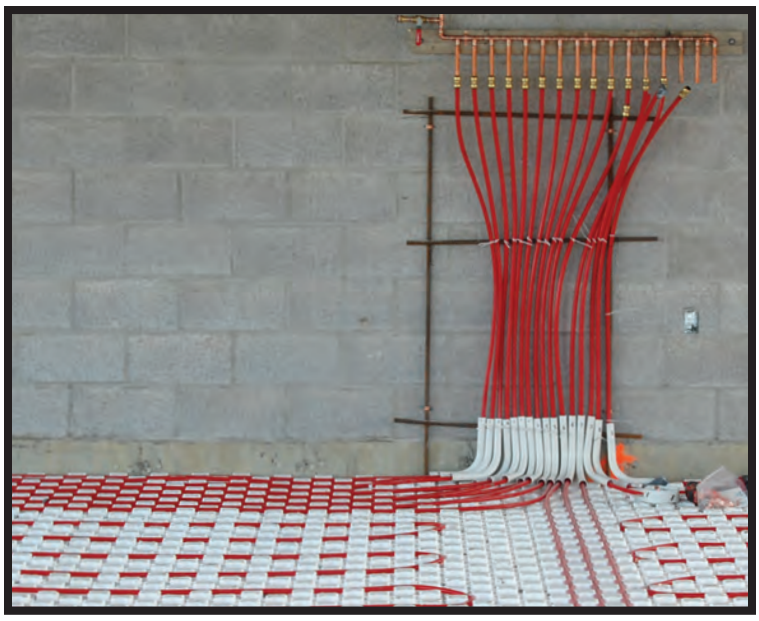
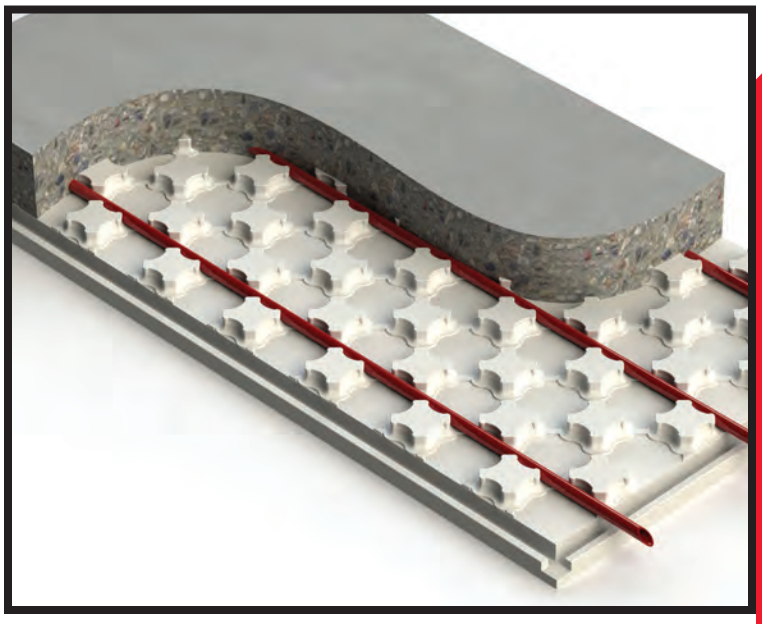




HEAT-SHEET™

- Compact (2' x 4') and easy-to-handle Heat-Sheet panels securely interlock together.
- Tough preformed nodules resist jobsite breakage and form the multi-directional tubing channel grid.
- Tubing easily "walks into place" (in half the time or better)
- ...and stays in place (without ties, clips or staples in most cases)

Installing radiant floor tubing has never been so quick and easy.

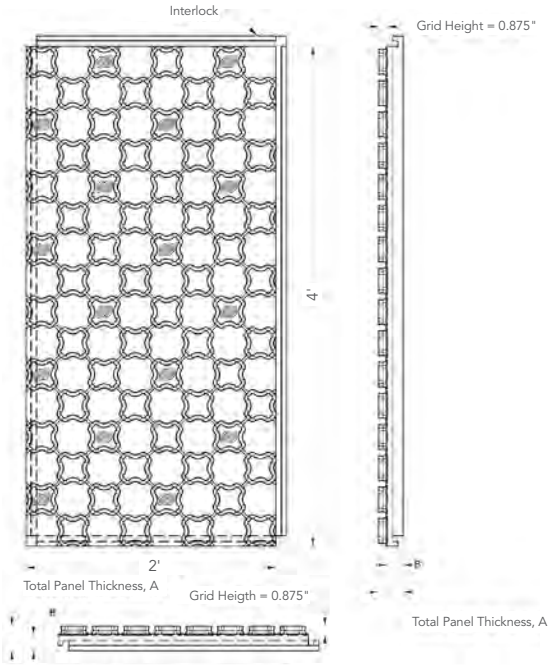
HEAT-SHEET.COM

Specifications

Heat-Sheet 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 readily available upon request.)

Heat-Sheet panels come in a range of thicknesses from 1 3/8" (R4) to 3 7/8" (R14).

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



Applications

Heat-Sheet can be used in all under-concrete radiant floor applications including:

- Slab-On-Grade Applications
- Sandwich Slab Applications
- Snow-melt Applications
- Retrofit and Overlay Applications

Estimating

1. Measure the length and width to determine the size of the area in which you want to install Heat-Sheet panels.
2. The panels are 8 sq. ft. each. Divide the area by 8 to get the number of panels required.
3. Heat-Sheet comes bundled in quantities of 6 to 16 depending upon panel thickness (see Sizes and Packaging Chart). When ordering please round up to the nearest whole bundle.

CCMC Evaluation Listing 14007-L

Installation

Laying Heat-Sheet Panels

1. Ensure the ground is reasonably level before beginning installation.
2. A vapor barrier may be required by your local building code. When installing a vapor barrier, ensure it is in place before you begin laying Heat-Sheet panels.
3. Remove the interlock from two sides of the starting panel to avoid an air gap. It's easiest to remove the interlock you can see when looking at the back of the panel. Starting in a corner, place the cut edges tight against the wall.
4. For the next panel, cut the interlock on the 4' length only. Place trimmed panels so they interlock along the 2' dimension.
5. Continue placing panels until you come to a wall. You will likely need to cut the final panel in this row to fit.
6. Use the leftover segments to start the next rows, and be sure to maintain the 3" spacing pattern. The idea is to have a staggered (running bond) layout rather than rows or columns. This helps keep the panels bound together and reduces waste.

Once panels are installed

1. Heat-Sheet panels are designed with a 3" grid for easy tube spacing. Please consult an HVAC designer to determine the required separation points.
2. Install the tubing by "walking it" into the panels.
3. Ensure the tubing is fully seated when turning a corner before you begin your next run. You may need to use a plastic staple on the turns to keep the pipe in place.
4. Wire mesh and rebar can be laid directly on top of the panels if required

Screed Volume Rates

To top of Heat-Sheet nodules	.043 ft^3/ft^2
For each additional inch of slab	.083 ft^3/ft^2

Sizes and Packaging Chart

Sizes and Packaging

Product Description	TTL Panel Thickness (A)	Nominal Panel Thickness (B)	Average R-Value	Panels/ Bundle	Sq.Ft./ Bundle
HS-R4[1]	1 3/8"	.5"	4	20	160
HS-R6[1,4]	1 7/8"	1.0"	6	14	112
HS-R8	2 3/8"	1.5"	8	10	80
HS-R10[2,4]	2 7/8"	2.0"	10	8	64
HS-R12[2,3,4]	3 3/8"	2.5"	12	6	48
HS-R14[2,3]	3 7/8"	3.0"	14	6	48
HS-R16.1[2,3,5]	3 7/8"	3.0"	16.1	6	48

[1] These panels do not interlock. [2] Additional vapor barrier not required when using Type 3 EPS, per CAN/ULC S701. [3] Additional vapor barrier not required when using Type IX EPS. [4] Panels per bundle may vary. Contact your local Heat-Sheet representative to confirm. [5] Made with Graphite Polystyrene (GPS) to provide an additional R2.1.

Manufactured By:

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877.442.4465

For information call your local Heat-Sheet manufacturer or visit www.heat-sheet.com

HEAT-SHEET™

Availability of Heat-Sheet products will vary from region to region. Contact your local Heat-Sheet manufacturer for local product availability.