RHT™
RADIANT HEAT TECHNOLOGY

EZ FLOOR

Radiant floor insulation panel
For Residential Construction

Benefits of R+ EZ FLOOR

Its all about the built in *fasteners*

- Securely holds 1/2”, 5/8”, or 3/4” PEX tubing
- Eliminates costly staples and expensive staplers[1]
- Evenly spaced on 2 inch centers provides layout versatility
- Installed PEX tubing lies below the walking surface which reduces
  - Trips and Falls
  - Pull out and rework
  - Floating
  - Crushed PEX
- Better sequencing of trades
  - Excavation and Leveling

  then
  - **EZ Floor** insulation panel and PEX tubing at the same time

  then
  - Reinforcement metal if required and pouring of concrete slab
- “Walk-In” installation reduces install time by as much as **two-thirds**

The cost of an EZ Floor Panel is comparable to installations using XPS and staples, which allows for significant savings on installation labor expense, resulting in a positive impact on total project cost.

Reduce installation time by as much as **two-thirds**

Recommended Uses:

- **Interior Insulation**
  - **Slab on Grade**
  - **Topping slab over framed floor**
- **Ice and snow melt systems**
  - **Garages, Carports and Driveways**
  - **Sidewalks, Walkways and Patios**
- **New Construction**
- **Remodels**

EZ FLOOR

BlueRidge Company

www.blueridgecompany.com 866-361-4782 P.O. Box 2270 Vashon, WA 98070

RHT™
RADIANT HEAT TECHNOLOGY

EZ FLOOR

Radiant floor insulation panel

For Residential Construction

Insulate the Same job...
Reduce Material Costs
Reduce Labor...
Create Value

Thickness and R-Values

R-Value[2] (PN Code)	Nominal Thickness	Overall Thickness	Applications
5 (5)	1"	1 7/8"	Use for insulating and installing Radiant floor heating in above grade applications such as a lightweight concrete floor over framing.
10 (10)	2"	2 7/8"	Use for insulating and installing radiant floor heating in slab-on-grade applications.
15 (15)	3"	3 7/8"	Use for insulating and installing radiant floor heating in slab-on-grade applications to increase the effectiveness of the heating system or in very cold climates.

Compressive Resistance

PSI (PN Code)	Material Type	Applications
15 (15)	Type II EPS	Used for general interior residential floor applications including suspended floor framing. May be used in under slab insulation where accepted by local building codes. Can reduce material costs by up to 13%.
25 (25)	Type IX EPS	Used for general residential floor applications as well as garages, and driveways. Accepted for use as under slab insulation by most building codes.

PEX Tubing

PEX Diameter (PN Code)	Availability	Applications
1/2" - 5/8" (50)	Available in all compressive resistances and thicknesses	Use for general interior residential applications.
3/4" (75)		Use for driveways, patios and walkways for ice melting applications. Can also be used for long circuits.

Environmentally friendly: R+ products are manufactured with recycled EPS. The recycled material comes from within our own factories reducing FMI-EPS' contribution to landfills, or is captured from post-industrial and post-consumer sources such as home appliance packaging. EPS is free of ozone depleting chemicals such as CFC, HFC and HCFC. EPS products are 100% recyclable.

Engineered to meet today and tomorrows energy codes. R+ insulation products are engineered and continually evaluated to meet ever increasing building and energy code requirements for residential and commercial construction. FMI-EPS' products meet or exceed the minimum requirements of ASTM C-578 and are UL classified for use as a rigid board insulation.

Stability and longevity: EPS is the only rigid board insulation that is thermally stable i.e. it won't lose its R-Value over time. EPS is also resilient to the freeze thaw cycle and will not lose performance over time, and will not readily absorb water.

Resistant to mold and mildew growth.

Notes:

1. Staples or other fastening methods may be required on bends greater than 16" O.C. or when tubing is installed during colder weather.
2. R values indicate resistance to heat flow. The greater the value the greater the insulating value. Federal Trade Commissio equires insulation to be published at 75° F mean temperature. Aged R-Values computed using ASTM C-177 of alternative products and systems should be used when comparing to EPS insulation.
3. EPS has a flame spread rating of 20 and a smoke developed index of 300 when tested in accordance with ASTM E84/ UL 723 for densities from 0.7—2.0 lb/ft^3. Flame and smoke developed has not been tested on faced products.

Flammability Warning

FMI-EPS's expanded polystyrene (EPS) products are combustible, as are all organic materials. They must not be stored or installed near open flame or any source of ignition. In addition, when EPS installation board is installed in the interior of an occupied structure, it must be protected by a proper thermal barrier, and the installer must review applicable local, state and federal building codes to determine the correct thermal barrier for the particular application.

Go Green Go With white eps

Energy INSULATION

CLASSIFIED UL

The information provided in this bulletin is presented in good faith, and is believed to be accurate. All statements are made without warranty expressed or implied.

Adjoining Materials Warning

Expanded Polystyrene (EPS) is subject to attack by liquid solvents and most solvent based adhesives and other oil based liquids such as gasoline and diesel. Care should also be taken to separate any coal tar pitch products or coal tar pitch vapors from any direct contact with EPS foam.

BlueRidge Company

www.blueridgecompany.com 866-361-4782 P.O. Box 2270 Vashon, WA 98070