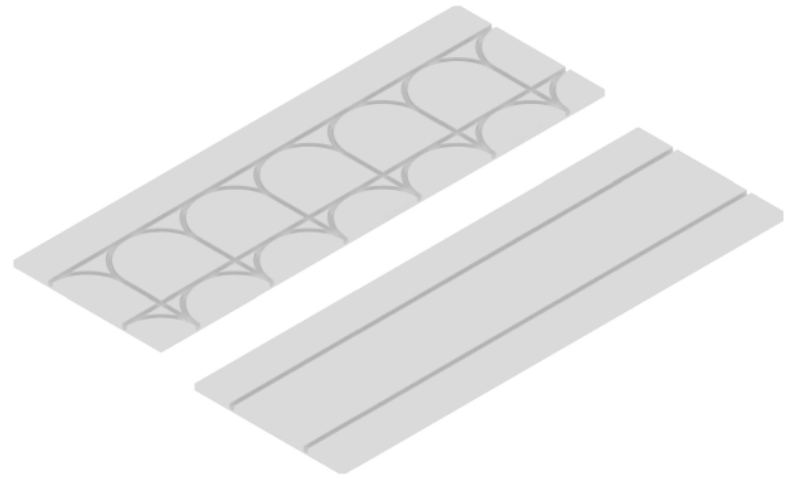


US PATENT NO. 6,533,185  
ADDITIONAL PATENTS PENDING

### THERMALBOARD EUREKA PANELS

**STRAIGHT: TBE-S1**  
**VARIABLE: TBE-T1**  
**COMBO: TBE-C1**



**Board Construction:** Renewable Dense Fiber.  
Sustainable Post Harvest Rice Straw MDF.

**Nominal Dimensions:** 16" x 48"

**Thickness:** 5/8"

**Surface:** .003 Aluminum Laminate

**PEX:** 3/8" Nominal

**Groove Depth:** 3/8"

**PEX Tube Spacing:** 8" OC or 16" OC

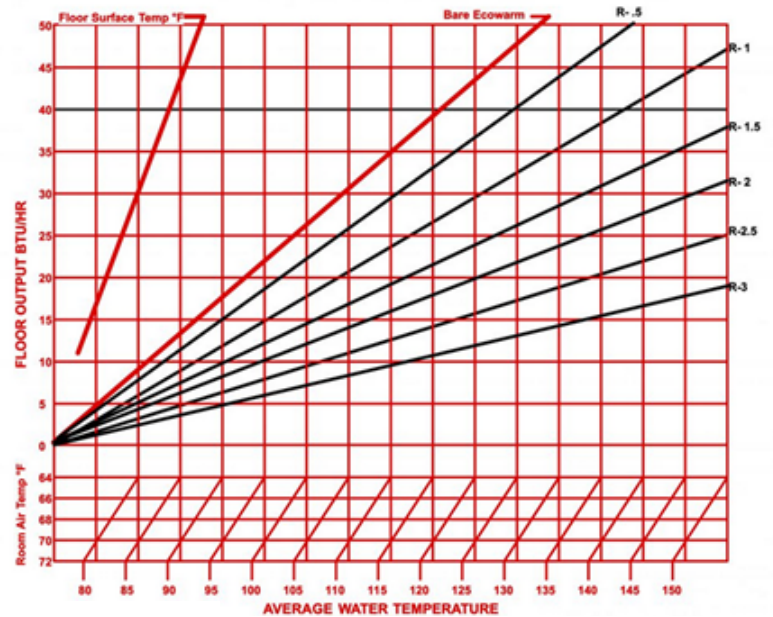
**Weight:** 2.2 lb. /sq. ft. 18lb/ board

**Typical Board Mix:** 62% straight. 38% Curves.

**Pallet Size:** 4'x4'x32" Full.

**Pallet Capacity:** 74 Boards per Full Pallet.

**Packaging:** Corner protected. Shrink Wrapped



### HOW TO USE THE PERFORMANCE CHART

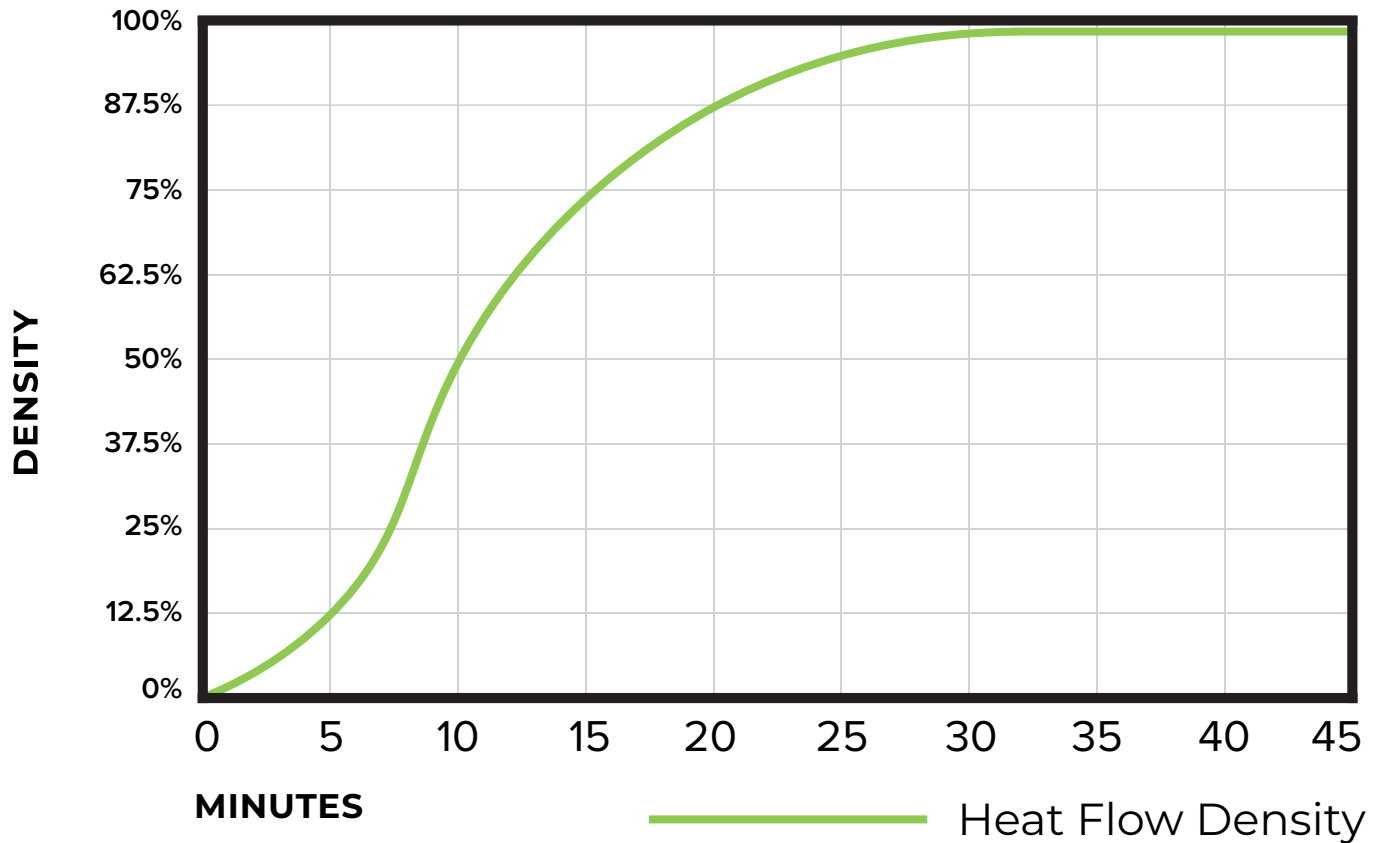
First calculate the heating output required in BTU per hour per square feet. Proceed horizontally right across the page until you intersect the R-Value line of your floor coverings. Then drop straight down vertically to the horizontal line of your desired room temperature, then angle down to the left to read the average required water temperature. For example, if you need 15 BTU per hour per square foot with an R-5 floor covering and a 70F room temperature, you should get 95F average water temperature.

**RICE STRAW FIBERBOARD SPECS**

	<i>Imperial</i>	<i>Metric</i>
<b>Density ( &lt; 0.551” )</b>	44.0–52.0 lbs/ft <sup>3</sup>	705–833 Kg/m <sup>3</sup>
<b>Density ( &gt; 0.551” )</b>	42.0–50.0 lbs/ft <sup>3</sup>	673–800 Kg/m <sup>3</sup>
<b>Moisture Content:</b>	6–9%	6–9%
<b>Thickness Tolerance:</b>	± 0.005”	± 0.125”mm
<b>Modulus of Rupture:</b>	4,500 psi	31.0 N/mm <sup>2</sup>
<b>Modulus of Elasticity:</b>	450,000 psi	0.8 N/mm <sup>2</sup>
<b>Internal Band:</b>	120 psi	0.8 N/mm <sup>2</sup>
<b>Linear Expansion Limit:</b>	≤0.33%	≤0.33%
<b>Face Screw Hold &gt; .375” (9.5mm)</b>	270 lbs	1,201 N

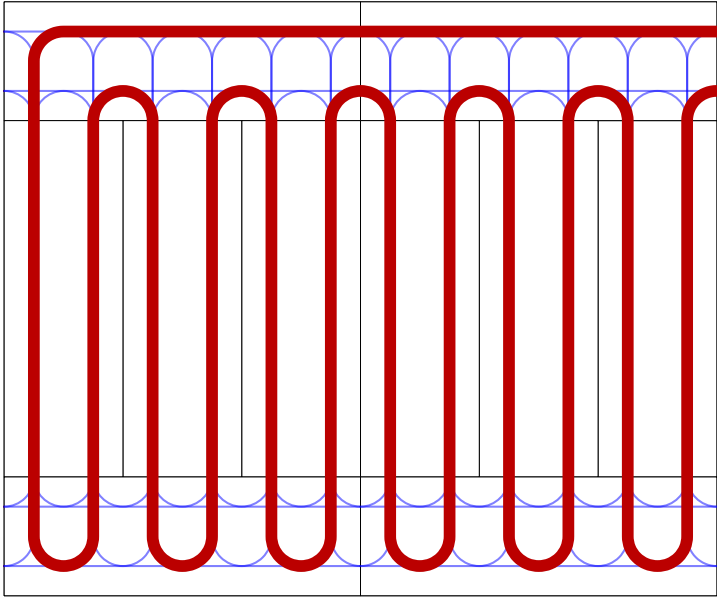


**THERMALBOARD EUREKA RESPONSE TIME**

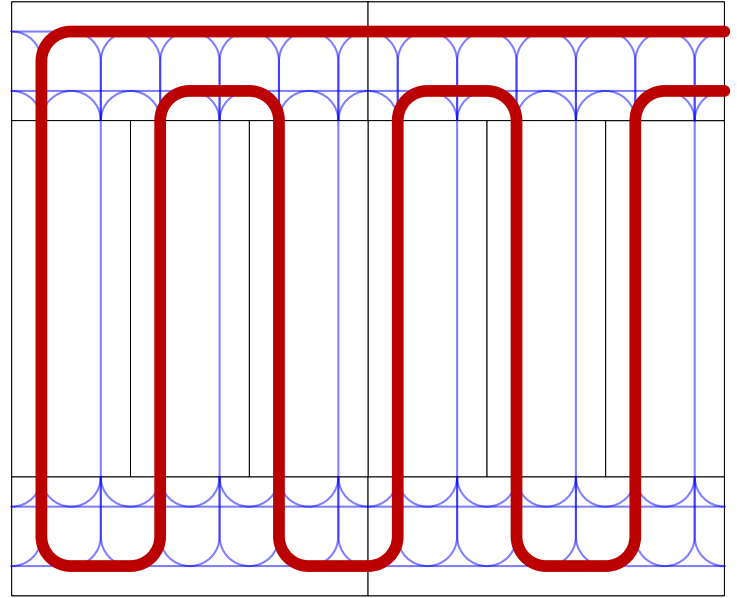


Thermalboard Eureka is a highly efficient, fast responding radiant heat panel system. The system was designed to supply lower water temperatures – resulting in lower operating costs to the owner. Our fast response system allows for rapid heating up and cooling down for easy control and comfort.

## VARIABLE SPACING LAYOUT AVAILABLE



8" Sample Layout



16" Sample Layout

We offer both 8" and 16" PEX tube spacing. Tighter spacing is beneficial where is heat load highest, while wider spacing serves lower heat load areas. This can provide you significant savings on both materials and labor.