

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

## ECOWARM RADIANTBOARD EPS

## INSULATED MODULAR RADIANT HEATING PANEL SYSTEM

**JOB:**

**DESIGNER:**

**CONTACT:**

### PRODUCT DESCRIPTION

Ecowarm RadiantBoard EPS is an insulated modular radiant panel system comprised of grooved plywood boards laminated with aluminum designed to be used in new construction and remodeling over a sub-floor or over cement. A layer of EPS foam is adhered below the substrate to provide insulation & sound dampening qualities – directing heat upwards. The two board types in the Ecowarm system have two patterns; straight and end combo that are laid out and installed in a pattern and attached by means of construction adhesive combined with screws or cross stapling as recommended in the Installation Manual. The pattern creates the pathway into which 1/2” ASTM F 876-877 PEX tubing is placed.

### TECHNICAL SPECIFICATIONS

**Substrate:** 6-7 Layer Plywood / EPS Foam

**Nominal Dimensions:** 23.5" x 47" x 1.125"

**Thickness:** 3/4"

**Groove Depth:** 5/8"

**PEX:** 1/2" Nominal ASTM F 876-877 PEX

**Groove Distance:** 11.75" OC

**Surface:** .010 Aluminum Laminate

**Weight:** 2.1 LBS / SQFT 16.4 LBS / Board

**Typical Board Mix:** 62% Straight. 38% End Combo.

**Board Types:** Straight. End Combo.

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

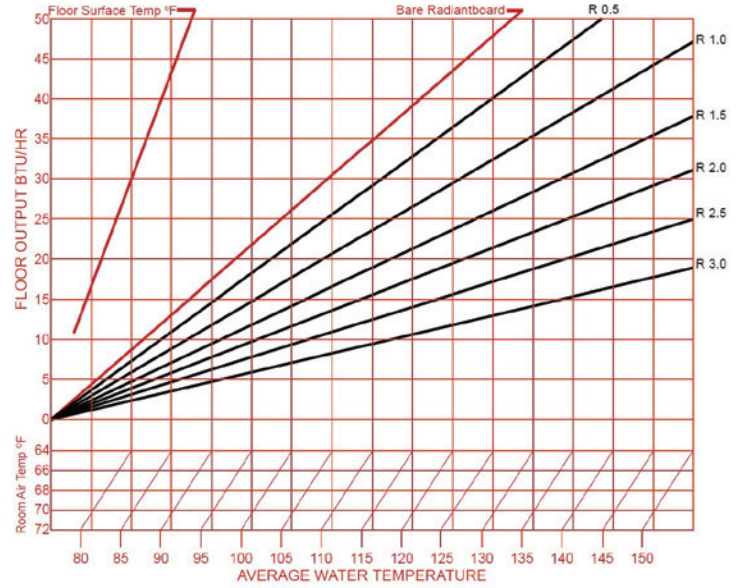
**Pallet Capacity:** 72 Boards per Full Pallet.

**Pallet Weight:** 1,221 LBS

**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.



## PROJECT SHOP DRAWINGS



## EFFICIENCY CHART

**STRAIGHT: ECOEPS00375-S2**  
**END COMBO: ECOEPS0375-C2**

This RadiantBoard EPS project shall be provided detailed project specific CAD drawings and schedules upon acceptance. System shall be installed as described in the current edition of the RadiantBoard Installation Manual.