



# ECOWARM OSB High Performance Radiant Board

U.S. Patent # 6,533,185 and Patents Pending

- **Quick response modular hydronic radiant heating board system**
- **Thick aluminum layer**
- **Responds at low water temperatures**
- **OSB layer made with Weyerhaeuser Edge from sustainably managed forests**
- **Water resistant**
- **Suitable for use with wood floors**

The Ecowarm OSB thick aluminum layer gives fast heat transfer, and installs with 1/2" PEX, 12 inches on center for fast installation with few connections. Ideal for new construction and remodeling alike, thanks to its low profile, light weight and rapid response. This non-structural board system attaches directly to the subfloor and is compatible with standard construction practices. Wood flooring may be nailed to Ecowarm OSB. This board may also be installed over concrete slabs.

## PLANET FRIENDLY

Our Ecowarm OSB uses aluminum with recycled content, bonded with a low VOC water-based adhesive to OSB made from sustainably managed forests.



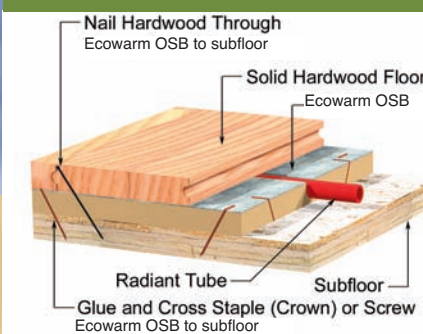
## COST FRIENDLY

Ecowarm avoids the joist upsizing, double plating and hardwood nailing strips associated with gypsum-based concrete radiant heating systems. And time is money. Ecowarm eliminates substantial drying costs required by moisture-laden concrete and gypsum-based cement, and thus eliminates scheduling and curing delays. Board size, 12" OC spacing, and longer 1/2" PEX loop lengths save material and labor costs.

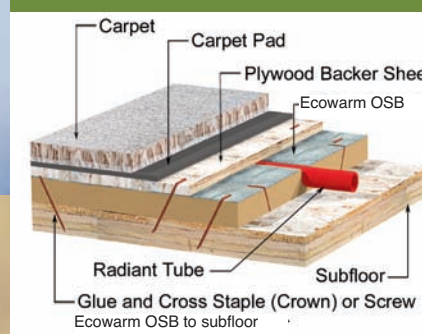
## CONSTRUCTION FRIENDLY

Ecowarm is grooved with a slightly undercut tube retaining groove, making tubing installation easy. It may be sequenced early or late in a job and may be installed with all major flooring products, including the direct nailing of hardwood floors.

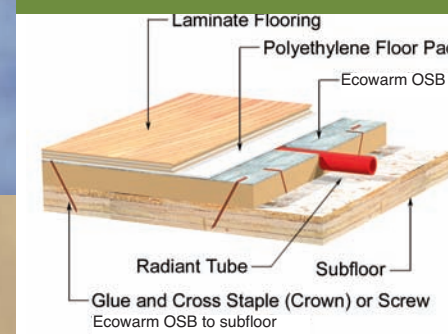
### TRADITIONAL WOOD



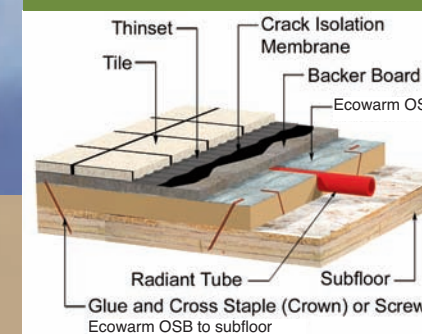
### CARPET



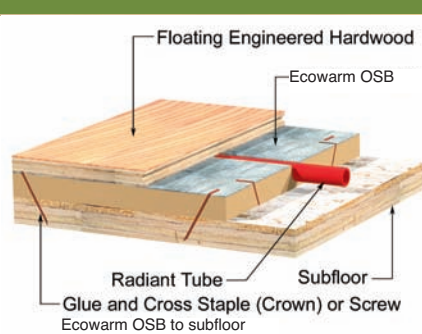
### LAMINATE



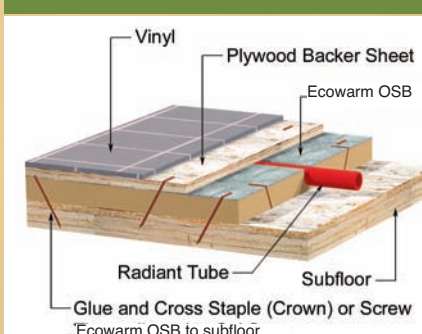
### TILE



### ENGINEERED WOOD



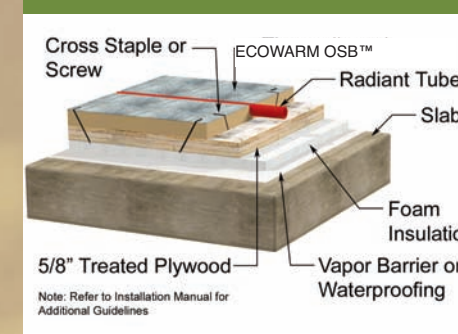
### VINYL



Non-structural Ecowarm OSB is designed specifically for subfloor applications, but it may also be installed over concrete. Ecowarm OSB is constructed with a premium water resistant OSB board covered with thick aluminum that spreads the heat evenly and quickly, and OSB is a recommended substrata for hardwood floors.

Due to thick aluminum Ecowarm OSB heats rapidly, responds at low water temperatures and is easy to control with setback thermostats for maximum energy efficiency.

### OVER CONCRETE



## EASY INSTALLATION

**THREE EASY STEPS:** Ecowarm OSB can be efficiently installed by specialty radiant installers or by a trained general contractor.

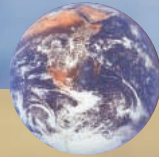
Ecowarm OSB is cut to size, glued, then either screwed or pneumatically stapled to a standard subfloor in a pattern to accommodate the 1/2" PEX tubing layout designed for that particular space -- to fulfill the room's heating requirements.

The two easily understood board shapes are usually assembled with very little cutting to form the groove layout for the 1/2" PEX tubing. When cutting is required, you can use conventional circular saws, radial arm or table saws.

Finished flooring goods may then be easily installed over Ecowarm OSB, with reference to our installation manual. Download other tips and considerations from our website. Third party layout documentation and submittal services are available.



[www.ecowarm.us](http://www.ecowarm.us)



## PRODUCT INFORMATION:

Ecowarm OSB boards are manufactured from Weyerhaeuser Edge Premium OSB from sustainably managed forests, with an aluminum layer bonded with a water-based low VOC adhesive.

**Nominal dimensions:** Each board is 23.5" x 47" x 3/4" thick, or 7.68 square feet a board

**Weight:** Approximately 2.76 lbs. per square foot, 21 lbs. per board

**Pallet Size:** 4' x 4' x 42" tall (2 Ecowarm OSB™ boards to a row, 50 rows high)

**Approximate Pallet Weight:** 2140 lbs. (smaller pallets available by special order)

**Approximate Truckload Quantities:** Approx 17,000 square feet.

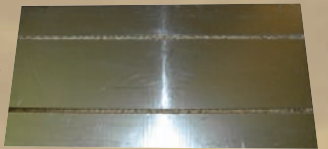
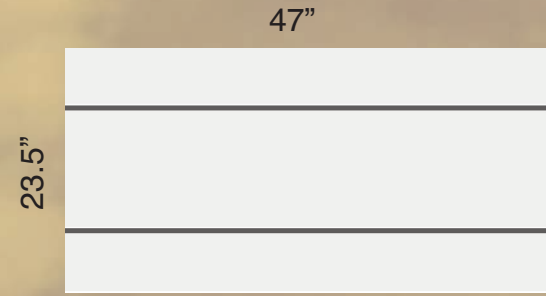
**Pallet Appearance:** Shrink wrapped, corner protected, color coded corners by part #

**Recommended Product Mix:** Straight 62%, 38% Supercombo Allow 5%-10% extra for waste.



## ECOWARM BOARD SYSTEM: Innovative 2-shape system lays out easily

US Patent #6,533,185 and patents pending.


**STRAIGHT:**  
These are used about 62% of the time.



**SUPERCOMBO:**  
These are used when a bypass and/or a return is needed, usually about 38% of the time.



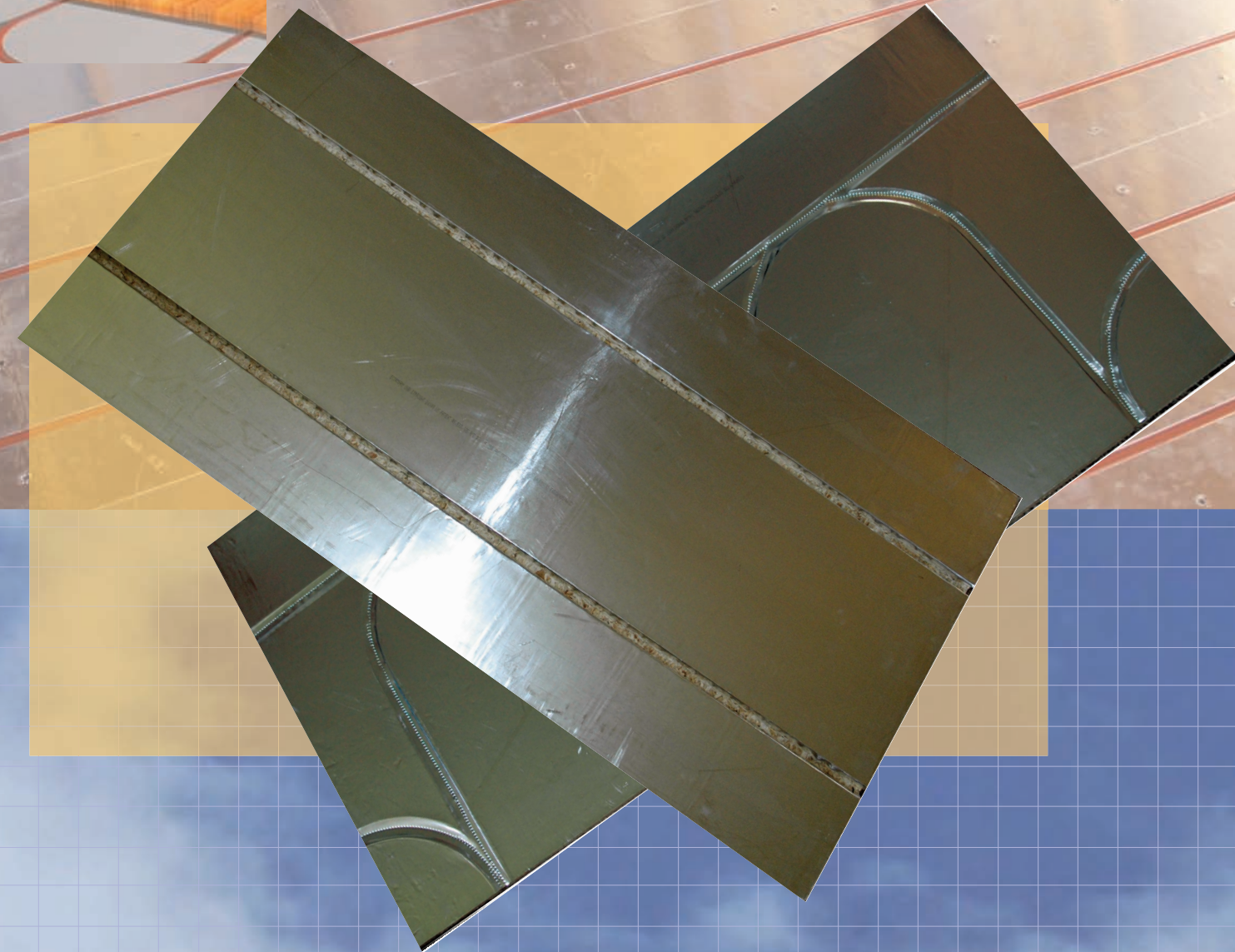
**Note On Board Dimensions:**  
These Boards are cut from 4'x8' sheets of OSB and are therefore a nominal 2'x4' dimension since some material is lost in the cutting.  
Actual board measurement: 47"x 23.5"  
Tubing is spaced 11.750" on center.  
One quarter radius turns measure 5.875" from edge.



Uses 1/2" PEX  
Premium 3/4" OSB  
Recycled Aluminum covering



## the High Performance Radiant Board



## PRODUCT INFORMATION

OFFERED BY:  
[www.ecowarm.us](http://www.ecowarm.us)  
503-266-1615