

THERMALBOARD

**SUSTAINABLE RADIANT
HEAT PANEL SYSTEM**

JOB:

DESIGNER:

CONTACT:

PRODUCT DESCRIPTION

Thermalboard is a modular radiant panel system comprised of grooved rice straw MDF boards laminated with aluminum designed to be used in new construction and remodeling over a sub-floor or when properly installed, over cement. The two board types in the Thermalboard 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

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: 1/2"

PEX Tube Spacing: 8" OC

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

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

Pallet Size: 4'x4'x32" Full.

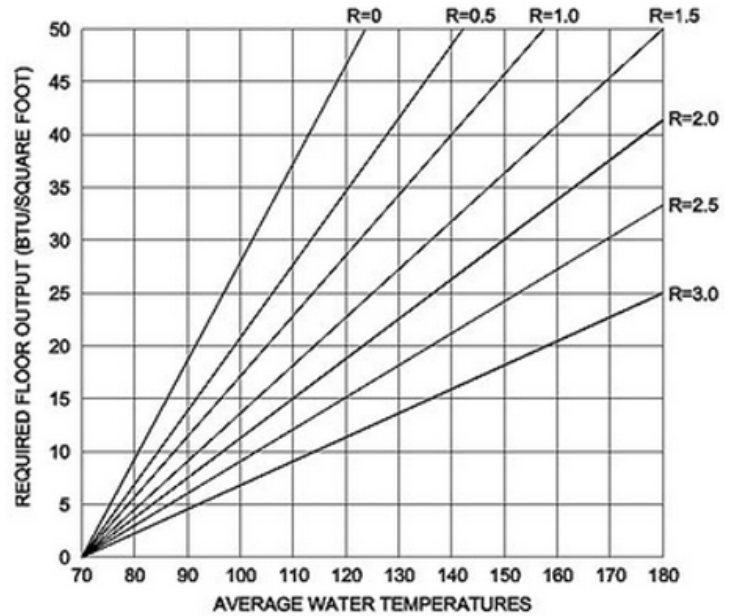
Pallet Capacity: 74 Boards per Full Pallet.

Packaging: Corner protected. Shrink Wrapped

HOW TO USE THE PERFORMANCE CHART

Most manufacturers publish this data or it is available in this format from third-party engineers and manufacturers. The chart demonstrates the supply water temperature required to meet a given heat loss (BTU/Sq/Ft.) with a certain finished floor assembly resistance (R-Value). A low R-value of R=.05 would be tile, while a carpet with a carpet pad might be R=2.5. So for example, start at 20 BTU/Sq/Ft. on the X axis, go over to R=1 (hardwood) and go down and it will read about 105F.

Thermalboard Performance



PROJECT SHOP DRAWINGS



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

This Thermalboard 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 Thermalboard Installation Manual.