The Radiant ThermalMass Solution

NEW! Thermalboard™ Now Recommended Over Concrete Slabs

In the past, Thermalboard was promoted for application over raised floors. Thermalboard™ is also a great topping slab product for use over new structural slabs or existing slabs encountered in remodel projects. For concrete slab application apply 5/8” Thermalboard™ over new or existing concrete slab with either a floating system or direct adhesion. A primary consideration is determination of the current and estimated future moisture conditions of the slab. Thermalboard™ and any sub-floor must remain dry.

Thus, the ideal installation detail includes a vapor barrier or water proofing membrane, 5/8” plywood and Thermalboard™. This floating system avoids penetration of the vapor barrier or water proofing membrane. Direct adhesion to the slab with construction adhesive may be used when no water vapor or moisture is present and nailed hardwood will not be employed as finished flooring good. If moisture is present or anticipated, water proofing must be employed with a membrane such as (www.noblecompany.com) or adhesive mastic (www.bostik.com).

Raised Floor Details

Raised floor applications remain the same. Apply 5/8” Thermalboard™ over a new or existing structural subfloor using construction adhesive then stapling or screwing Thermalboard directly to the subfloor. Radiant tubing is then installed immediately prior to application of flooring goods.

Treading Softly On The Planet

- Thermalboard utilizes only GreenCross certified MDF that employ 85% preconsumer recycled woodfiber.
- Thermalboard uses non VOC, water based adhesives.
- Thermalboard has zero detectable outgassing at 140°F continuous: Environmental Analysis Inc. Project report #0107-090
- Thermalboard aluminum is 100% recyclable.
Concrete Topping Details

Concrete-Floating*
Note: Float exterior grade 5/8” plywood or OSB over vapor or waterproofing membrane. Assembly profile 1-1/4”

Concrete-Floating w Insulation*
Note: Adhere 3/8” Barrier insulation (R2) or 1” Ultraboard (R5) foam insulation to slab prior to applying plywood. Assembly profile 1-5/8” to 2-1/4”

Concrete-Direct Adhesion*
Note: If vapor or moisture are present use Bostik UltraSeal for direct adhesion and waterproofing. Assembly profile 3/4”.

*Installer must follow instructions and recommendations for topping slab applications found in the most recent Thermalboard Application and Installation manual.

Flooring Goods Attachment

** Refer to Thermalboard installation and application guide for detailed instructions.