



WARMBOARD® RADIANT SUBFLOOR



Installing Warmboard Over Concrete Slab

Benefits - Installing Warmboard over an existing concrete slab can retrofit a basement or home remodel into state of the art radiant floor heating system. Finish floor options include the broad range available with a Warmboard system. Hardwood, tile, carpet, and linoleum.

Concrete Slab Requirements - Existing slab must be level. A newly poured slab needs to be well cured which typically takes 90 days minimum. The slab must have sufficient drainage from rain and snow on a year round basis. If Warmboard panels are exposed to any standing water or any moisture problems wood rot will occur. Do not use Warmboard if these environmental conditions are possible.

Installation method # 1

Install a vapor barrier directly to slab. We recommend a 10 mm polyethylene over lapped two feet (2') at the seams, or a 15# felt roofing paper over lapped one foot (1') at the seams. Continue with Warmboard panel installation with the use of a Tap Con concrete fastener. We recommend a minimum of 9 fasteners for each panel.

Installation method # 2

Install a vapor barrier directly to slab. We recommend a 10 mm polyethylene over lapped two feet (2') at the seams, or a 15# felt roofing paper over lapped one foot (1') at the seams. Continue by installing 2' x 4' pressure treated sleepers attached to slab (flat framed) on 24" centers with Tap Con fasteners. Insulate cavity between sleepers with rigid foam insulation. To complete procedure install Warmboard panels and fasten to sleepers with screws or ring shank nails.

An excellent resource for a combination vapor barrier and rigid foam insulation can be found at:

www.thebarrierinsulation.com

Notes - Please review DVD for information on use of alignment pins, custom routing, and tubing installation. Please use tubing from the approved tubing list.

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For technical assistance call Warmboard toll-free 1-877-338-5493