



PATENT PENDING

Installation and Planning Guide

A Division of:
BELKA Furnishings
 W1318 Granton Rd
 Granton, WI 54436

877-48-BELKA
 715-238-8122

Job Site Preparation



- Verify that all structural span & code requirements are met or exceeded for wood or concrete subfloor
- Use a broom and dust pan to clean all dust and debris
- Over concrete lay a raised plastic underlayment

Tools & Fasteners

- 7 1/2" Circular Saw
- 2 Saw Horses
- 1 1/2" Phillips Drywall Screws*
- 1/4" x 2 3/4" Phillips Masonry Screws**
- 3/8" Drill
- 3/8" Masonry Hammer Drill**
- 3/16" Masonry Drill Bit**
- #2 Phillips Bit
- Hammer
- 1' Scrap Piece of 2 x 4
- Tape Measure
- Wood Chisel
- Chalk Line
- 1/2" Plywood 4' x 4'
- Carpenter Pencil
- Broom and Dust Pan
- Leak Detector Solution
- Air Compressor

Sizing Job

- Calculating panels
 - Job length x job width = square footage (sqft)
 - sqft / 16 = panels
- Calculating tubing
 - sqft x 1.5 = length of tubing
 - Tubing is limited to 300' per loop
- Example: A job site measures 20' wide by 40' long
 - 20' x 40' = 800sqft / 16 = 50 panels
 - 800sqft x 1.5 = 1200' of tubing
 - 1200' / 300' = 4 tubing loops
- Figure 10% overage on KHart Flooring and tubing

Cutting Panels



- Use a 1/2" plywood 4'x4' sheet as a work surface under the 3/4" KHart Flooring
- Set cutting depth on 7 1/2" circular saw to 13/16", Measure and Cut

Carrying Panels



- Due to 1/8" thickness in the bottom of the channel, use care when carrying the panels

Laying Panels



- Lay the radius end against the outer wall
- Rotate the next panel 180 degrees

* REQUIRED FOR WOOD SUBFLOOR INSTALLATIONS
 ** REQUIRED FOR CONCRETE SUBFLOOR INSTALLATIONS

Fastening Panels



- Drill a 3/16" pilot hole with a 3/8" hammer drill**
 - Begin 2" from each end & then 16" on center
- Fasten with 1/4" x 2 3/4" Phillips Masonry screws**
- Fasten with 1 1/2" Phillips Drywall screws*

Snapping Tubing in the Channel



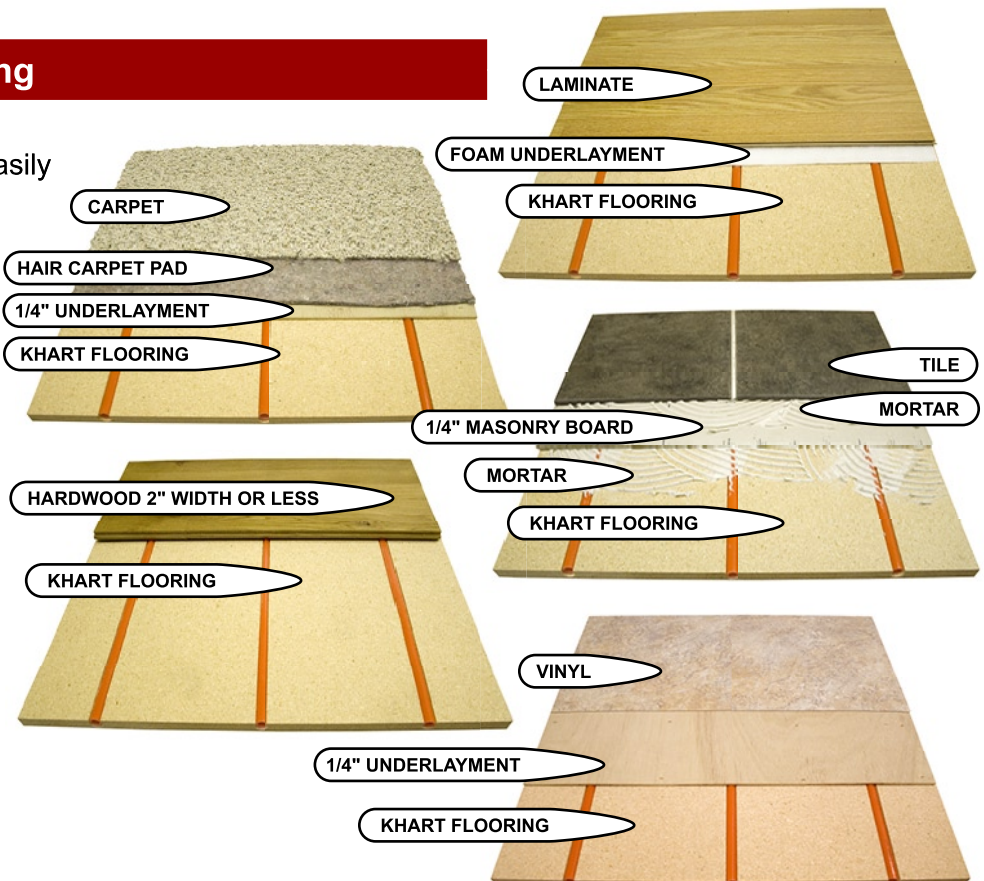
- Map the tubing loops, not exceeding 300' per loop
 - Tubing can be looped straight, 90 and 180 degrees
- Lay tubing in the channel
 - Follow with the 1' piece of scrap 2 x 4
 - Lightly tap with a hammer until the tubing snaps in

Installing Finished Flooring

- Pressurize with 20 psi of air
- All finished flooring types can easily be installed over the panels

Leak Test Checklist

- Pressurize all tubing loops with 20 pounds per square inch (psi) of air
 - Stabilize 20 psi overnight
 - If psi drops overnight use a leak detector solution to detect leaks
 - Pry tubing out of channel and repair with a coupling
 - Stabilize again with 20 psi overnight



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