

SOLID FLOORING - INSTALLATION GUIDE

Read before starting any installation

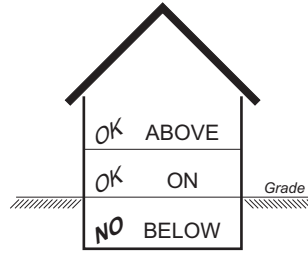
1. PRODUCT USE

Cikel solid products can be installed Above or On Grade.

Paste the three level house here

3/8" thick solid products are designed for glue down in addition to nail/staple installation. Please see the Gluedown installation instructions at www.cikel.com.

Radiant Heat; Cikel solid hardwood floors are not suitable for use over radiant heat floors.



2. TOOLS AND MATERIALS

Vacuum cleaner or broom, miter saw, hand saw, pry bar, leveling bar, level, drill with 1/16" bit, nail punch, measuring tape, straight edge, chalk line, hammer, Wood moisture meter, slip tongue (reversing tongue), putty. If subfloor prep required - heavy grit sand paper (on a buffer or grinder if available) and shims.

3/4" thick products – Primatex P210 pneumatic or H 300 manual, 2" cleats (www.primatex.ca), Powernail 445 pneumatic or 45 manual, 2" cleats, (www.powernail.com), Bostitch MIIIFN pneumatic or MFN 200, 2" cleats MIIIFS pneumatic stapler, 2" staples. (www.bostitch.com).

3/8" thick products - Powernail Model 50M or 50P, 18 Gauge 1 1/2" cleats, (www.powernail.com), Stanley Bostitch LHF97125-2 - 20-Gauge Hardwood Flooring Stapler, SX150-BHF-2 - 18-Gauge Hardwood Flooring Stapler (www.bostitch.com).

Rubber mallet (white rubber heads for prefinished floors, black rubber heads for unfinished), 15lb asphalt saturated felt paper to cover subfloor, 2 1/2" finish nails for molding and starter rows.

3. SUBFLOORS AND PREPARATION

Normal Environmental Conditions must be in effect as described in our Owner/Installer Responsibility section.

Basement and crawl spaces must be dry and ventilated flooring is to be installed over them. In crawl spaces a vapor barrier should be provided - 6-8 mil black polyethylene film with edges lapped 6" and taped.

All acclimation, subfloors and installations are to be done in accordance with the National Wood Flooring Association (NWFA) For more information, please refer to the NWFA "Hardwood Flooring Installation Guidelines" or visit www.nwfa.org or call 1-800-422-4556.

Acclimation - prior to starting installation, ensure that wood flooring is within acceptable range of moisture content with the subfloor using a wood moisture meter. Not properly acclimating wood flooring, or, too wet or too dry conditions may cause excessive expansion, shrinkage, dimensional distortion or structural damage.

Moisture reading must not exceed 12% and the differential between boards and subfloor must be less than 4%. If moisture reading is too high, correct conditions to Normal Environmental Conditions before beginning.

Nail/staple down installations require subfloors of; minimum 5/8" or preferably 3/4" or thicker CDX plywood, 1x4 or 1x6 kiln dried coniferous boards, or, 23/32" OSB chipboard.

Subfloors must be properly secured to the joists and free of squeaks. Add additional screws in any areas that squeak when stepped on. UNLESS YOU HAVE 1"+ OF SUBFLOOR THE FLOORING DIRECTION IS TO RUN ACROSS THE JOISTS.

DO NOT NAIL/STAPLE TO PARTICLE BOARD.

All subfloors must be clean, removing old floor covering if necessary, and brought into levelness tolerances prior to beginning installation – no more than 3/16" variation over 8' radius or 1/4" over 10' radius. If necessary, flatten down any irregularities using heavy grit paper (on a buffer or grinder if available), and fill any low spots on wooden subfloors with additional plywood or shimming the joists.

The clean subfloor shall be covered wall to wall with 15lb. asphalt saturated felt. Butt the edges of the felt when positioning it. Double the felt around heat ducts that may be in the floor.

4. INSTALLATION INSTRUCTIONS

Helpful Tips:

·Remove any existing base, shoe mold or doorway thresholds. Moldings will be replaced after installation but should be replaced in such a way as to allow at least 1/4" room for expansion around the perimeter. All door casings should be notched out or undercut to allow 1/4" room for expansion and to avoid difficult scribe cuts. This is easily done by placing a piece of the product flat on the subfloor as a height guide for your handsaw or jamb saw.

·To ensure variations in color, shade and length remove flooring from several different cartons to maximize color and shade mixture.

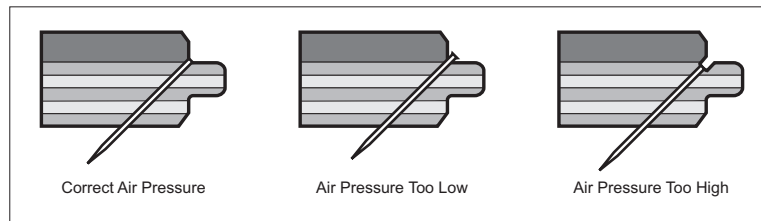
·Select the boards that will best go with the transition moldings and put aside until it is time to use them.

·Rooms larger than 20 ft. by 20 ft. 1/32 aluminum spacers may be needed for expansion in addition to the 3/4" expansion at any wall or vertical obstruction.

·The nailer/stapler base plate must remain clean and free from nicks at all times.

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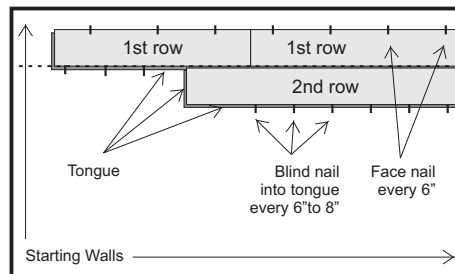
- When nailer/stapler is not in use, place on piece of plywood or cardboard but never directly onto floor.
- Be certain that nailer/stapler base sits flat on floor and on top of the tongue before nailing board down.
- Check base plate condition and proper operation of nailer/stapler often.
- When using a pneumatic gun, set and check air pressure regularly, keeping in mind that different hardwood species or subfloor types require specific air pressure settings.



Solid hardwood floors are not to be installed below grade.

Leave expansion space around the room and at all vertical obstructions the same distance as the thickness of the hardwood flooring.

Install boards left to right, usually running the same direction as the longest wall. Start the first row by snapping a chalk line and be watchful that the rows are running straight at all times.



The first and last rows of products should be faced nailed and stapled since the wall prevents access with the flooring gun. Flooring should be predrilled, face nailed, counter sunk, then puttied.

Use pry bar to fit last row of boards into place and be sure to leave minimum required expansion gap. If the final row is less than 1" in width, glue the groove to the tongue of the previous UNINSTALLED row with an Aliphatic resin glue and then the two joined units should be predrilled and face nailed as one piece.

End joints should never be closer than 6" from each other

Nail/staple along tongue every 6" to 8" inches, hitting every joist possible, and within 2 inches of each end joint (installed tongue out).

Install transition moldings - stair nosings, thresholds, reducers, T moldings. Install wall moldings - baseboards and quarter rounds – by nailing them only to walls and not to floor.

Cikel offers NO WARRANTY for special applications such as gluing $\frac{3}{4}$ " solid hardwood flooring to concrete subfloors. Contact the sealer/adhesive system manufacturer for their recommendations and warranty.