

HOME

hydracork

WARRANTY * INSTALLATION * CARE

SPRESSfit



WATERPROOF CORK PLANK

Radiant Heat Approved

Hydrocork Pressfit Limited Warranty

We take pride in designing each of our products with the goal of providing the best flooring for your needs. In addition, we use the highest quality components and quality control techniques to ensure the reliability and long life of our products.

No installer, dealer, agent or employee has the authority to alter the terms and conditions of this Warranty.

IMPORTANT: This Hydrocork Pressfit Warranty is applicable only if the Hydrocork Pressfit installation and maintenance Guidelines, which are part of the flooring packaging and the packaging for our auxiliary (adhesives, maintenance & cleaning) products are respected.

In case there are any questions, contact us at: www.llflooring.com/support/customer-care.html

1. QUALITY STANDARDS WARRANTY

We warrant that at time of delivery each of our flooring products meets the applicable Quality Standards, as follows:

2. LIMITED WARRANTY (STRUCTURAL / WEAR / WATERPROOF)

RESIDENTIAL USE

For purposes of this limited warranty, a “residential use” is a product installation at a single-family home, apartment unit, townhouse, or other place where people live and, notwithstanding the forgoing list, excludes: (a) multi-family housing common areas; (b) any real estate property that is used for business or commercial activities; (c) any location used in whole or in part for business or commercial purposes; and (d) any location where foot traffic exceeds normal, residential foot traffic. We have the sole right to make the determination of whether an application is a residential use or another kind of use. For purposes of such determination, we may need to visit the location that relates to the warranty claim for inspection and use.

LIGHT AND HEAVY COMMERCIAL USES

- *Light Commercial*

Our products are designed for commercial and business uses. The warranty periods for each product are determined by their application and use. Light commercial uses are defined as areas where foot traffic is light to moderate and light to moderate castor chair use where castors are modified using caster chair wheels (soft wide castors specifically for hard surface) or castor chairs are used with castor chair mats designed for hard surface and without the use of heavy chemicals, acids, greases or other such contaminants. Examples of light commercial uses include: professional offices, including lobbies, waiting rooms, hallways; corporate locations such as banks, conference rooms, meeting rooms; small retail stores such as salons, jewelry stores, dressing rooms; applications in apartment lobbies and common areas, and connecting hallways and offices.

- *Heavy Commercial*

Heavy (or Full) Commercial Areas are areas of use with floors subjected to, moderate to heavy foot traffic and moderate to heavy castor chair use where modified caster chair wheels (soft wide castors specifically for hard surface) or castor chairs are used with castor chair mats, designed for hard surface moderate to heavy traffic. Portable furnishings with casters, rests and hard wheels that concentrate the weight or point loading of the appliance/equipment are excessive heavy use.

- *Determination of Application and Use*

We shall have the sole right to make the determination of whether an application is for light or heavy commercial uses. For purposes of such determination, we may need to visit the location that relates to the warranty claim for inspection and use. **These limited warranties do not apply to excessive heavy use or industrial uses. Industrial uses include but are not limited to use in environments with heavy chemicals, acids, greases (including for food) or other such contaminants, and those use in environments with forklift use, industrial plants, uses where extra heavy static and dynamic loads are applied to flooring, and use of casters bearing extra heavy loads on resilient flooring.**

Whenever our Hydrocork Floating products are supplied as new and through approved outlets, we warrant to the original consumer that within the applicable period (after invoice date) indicated in the table below:

- (i) **Structural Limited Warranty.** Our Hydrocork Floating floors are free from manufacturing defects.
- (ii) **Wear Limited Warranty.** The vinyl surface layer of the Hydrocork Floating floors, will not wear. “Will not wear” is defined as 100% reduction of the vinyl surface layer over an area comprising 5% of the total surface Flooring installed with Hydrocork Floating products.
- (iii) **Waterproof Limited Warranty.** Our Hydrocork Floating floors are 100% waterproof assuring that the structural integrity of the floor plank will not be significantly diminished by non-prolonged exposure to water. While moisture will not affect the floor’s integrity, it is probable that, when prolonged and excessive moisture accumulates in buildings or on building materials, mold and/or mildew growth can occur. This Warranty does not cover:
 - (i) Damage to surrounding structure, walls, subfloor, fixtures, furniture, underlayment, moldings, trims, subfloor heating elements, or anything that is not the floor plank or tile;
 - (ii) Damage resulting from mold & mildew growth due to pro-longed exposure to water or moisture;
 - (iii) Flooring that is installed outdoors.

Product	Residential	Light Commercial
Hydrocork Pressfit	Lifetime	15 years

The Hydrocork Limited Warranty is made subject to the following CONDITIONS:

1. The floor must be installed properly and according to Hydrocork Pressfit installation Guidelines.
2. The flooring must be used under normal use conditions and maintained in accordance with Hydrocork Pressfit maintenance Guidelines. The flooring must be used only indoors in a climate controlled area.
3. The term “Lifetime” means the lifetime of the original purchaser (end consumer), for so long as he owns the Hydrocork Pressfit Floating floor. This warranty is not transferable by the original purchaser of the floor.

Site and Environmental Conditions.

Defects or damages resulting from: site conditions (such as extreme heat, radiant heat (for some products), or exposure to sand); indentations and scratches (caused by furniture, heavy rolling loads like un-modified wheels on caster chairs, castor chairs without protection mats, heavy electric wheel chairs, metal or thin wheels on appliances, tools, grit, heels, toys, etc.); improper maintenance and accidents; misuse and abuse. These items are not covered under this limited warranty.

3. LIMITED WARRANTY COVERAGE

In the unlikely event that any of our products fail to perform according to the applicable warranty, we will, at our option, repair, refinish or replace such product with the same product or another one of equal value (at our selection), or refund the purchase price paid (if replacement or repair is not practical or cannot be made on a timely basis), as more specifically described below:

- A) During the first five (5) years of this Limited Warranty (i) the defective flooring products will be replaced, (ii) the defective products will be removed and (iii) the replacement products will be installed, AT NO COST TO YOU or, at our option, provide a refund.
- B) After the initial five (5) years, period, we shall only provide all or part of the flooring products for replacement, according to the lifetime usage table below:

Residential Applications

Period (years)	Warranty Coverage
0 - 5	100% of the Flooring Products for replacement + reasonable labor costs of removal and installation
6 - 10	100% of the Flooring Products for replacement (without costs of removal or installation)
11- 20	50% of the Flooring Products for replacement (without costs of removal or installation)
≥ 21	25% of the Flooring Products for replacement (without costs of removal or installation)

Commercial Applications

Period (years)	Warranty Coverage
0 - 5	100% of the Flooring Products for replacement + reasonable labor costs of removal and installation
6 - 10	75% of the Flooring Products for replacement (without costs of removal or installation)
11- 15	50% of the Flooring Products for replacement (without costs of removal or installation)

4. EXCLUSIONS

This Warranty shall not apply in any of the following cases:

- 4.1. Installation not made according to procedures and without using the approved auxiliary products or improper or not recommended methods (as set forth in Hydrocork Pressfit Installation/Maintenance Guidelines).
- 4.2. Improper subfloor patch, underlayments or subfloors (please consult Hydrocork Pressfit Installation Guidelines).
- 4.3. Incorrect product choice for flooring use or site conditions (please consult Hydrocork Pressfit Installation Guidelines).
- 4.4. Improper maintenance or use of unapproved auxiliary products (please consult Hydrocork Pressfit Maintenance Guidelines).
- 4.5. Products modified or repaired with products or methods of installation or repair not specifically recommended in the Hydrocork Pressfit Installation/Maintenance Guidelines or not specifically authorized by the manufacturer.
- 4.6. Extreme environmental conditions, meaning exposure to extreme heat (equal or above 130°F).
- 4.7. Gloss change or loss is not considered surface wear.
- 4.8. Trivial or insubstantial visual defects, i.e., visual defects not perceptible at 1.5m / 5 feet standing up or only perceptible in counter light (i.e., inspected at an angle different from 90° using sunlight coming through windows, doors or other openings or translucent materials).
- 4.9. Office roller chairs must comply with EN 12529 (Type W). Type W castors are the ones suitable for resilient floor covering. They are polyurethane covered castor wheels, shore hardness 85 ± 5. This product specification can be found when buying any chair.
Use protective office mats under the rolling chairs.

- 4.10. Gaps on floating floors (> 0,20mm) existing at the time of installation.
- 4.11. Odd Lots or AS-IS. An odd lot (or flooring sold AS-IS) is flooring that is discounted because it did not pass our rigorous inspection process and is not covered by this limited warranty.
- 4.12. Accidents, abuse, misuse, force majeure, damage from heavy furniture or equipment used without sufficient protection, impact damage, hydrostatic pressure, scars from sharp or pointed objects, cuts, tears, scuffs, scratches, misuse, negligence, burns (cigars, candles, etc), water floods, erosion, spiked heel shoes, pet claws, pebbles, sand or other abrasives.
- 4.13. Detectable defects verifiable prior to installation.
- 4.14. Difference in shade or color. Our flooring products are based on natural materials. We do not warrant any difference in shade or color between samples/photographs and the actual flooring, 1) from batch to batch, 2) due to exposure to sun-light, 3) resulting from replacement of a portion of your floor, 4) resulting from the different age and history of the same product reference/batch.
- 4.15. Squeaking in cork Floors. Squeaking can be caused by several reasons: Variations in relative humidity; Subfloor not perfectly levelled; Underlays or other type of "barriers" / layers below the flooring; Etc.

CONDITIONS This Warranty:

- 1) Is valid from the date of purchase (invoice date).
- 2) Applies only to flooring products in their original installation location.
- 3) This warranty is applicable to Products sold to the first end consumer and is not transferable
- 4) Shall expire if the product or installation location is transferred or re-sold.
- 5) For all products, it applies only if the care and maintenance Guidelines are strictly followed.
- 6) Applies to flooring used exclusively in interior residential and commercial applications that are submitted to normal traffic, excluding wet and damp areas such as saunas, pools or similar areas.

THIS IS A LIMITED WARRANTY. EXCEPT AS PROVIDED HEREIN, WE MAKE NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO THE PRODUCTS, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. OTHER THAN AS EXPRESSLY PROVIDED HEREIN, UNDER NO CIRCUMSTANCES SHALL WE BE LIABLE TO THE END-USER/PURCHASER OF OUR PRODUCTS OR ANY OTHER THIRD PERSON FOR ANY DIRECT OR INDIRECT DAMAGES (WHETHER CONSEQUENTIAL, INCIDENTAL, SPECIAL OR OTHERWISE, INCLUDING WITHOUT LIMITATION, LOST PROFITS) ARISING OUT OF ANY DEFECT IN OUR PRODUCTS.

This Limited Warranty gives you specific rights but does not affect any rights of any end user/purchaser provided by your local law. You may also have other rights under the law, which vary from country to Country or State to State. Some Countries do not allow the exclusion or limitation of implied warranties or of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

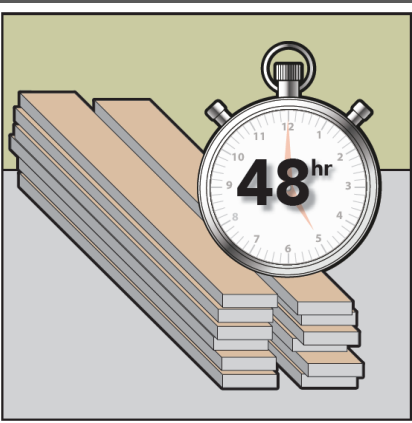

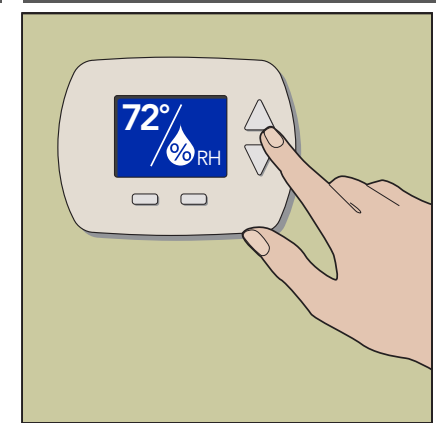
5. IF YOU HAVE A PROBLEM

In the unlikely case that you detect a problem with your flooring product, please take the following steps:

- 5.1. Promptly upon such detection, provide your supplier with written notice of the problem, proof of the purchase date, type and grade of the defective products and amount of flooring involved. Please document your communication and keep the information on file until your problem is resolved.
- 5.2. If you are not satisfied with your supplier recommendation, an authorized representative must inspect and verify the defect. We reserve the right to designate a representative to inspect the floor and remove samples for analysis. If such defect is verified, and confirmed by an authorized representative, we will proceed as described in section 3.
- 5.3. If your supplier is unable to solve the problem, contact www.lflflooring.com/support/customer-care.html

PRESS FIT * [GLUE DOWN](#) * [WALL APPLICATION](#)
Method Click Here Click Here

Save time & avoid frustration! Please read these entire instructions before starting your installation, and A.I.M. for success!

AIM	AIM	AIM
		
<p>Acclimate Completely Acclimate your flooring to interior temperature for at least 48 hours. Temp. must be between 65°F – 82°F.</p>	<p>Install Correctly Take time to review LL Flooring's installation guidelines to ensure that your installation goes well from beginning to end.</p>	<p>Maintain Environment Interior temperature should be maintained between 65°F – 82°F and 35% – 65% Relative Humidity during the life of the floor.</p>



Need Help? To obtain installation assistance or product information concerning this flooring, contact the store of original purchase, or call the LL Flooring's customer care at 800-366-4204.



WARNING! DO NOT SAND, DRY SWEEP, DRY SCRAPE, DRILL, SAW, BEADBLAST OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUTBACK" ADHESIVES OR OTHER ADHESIVES. These products may contain asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the product to be removed is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content. See current edition of the Resilient Floor Covering Institute (RFCI) publication, "Recommended Work Practices for Removal of Resilient Floor Coverings" for detailed information and instructions on removing all resilient covering structures. For current information, go to www.rfci.com.



LEAD WARNING: Some paints and finishes in homes built before 1978 may contain lead. Exposure to excessive amounts of lead dust presents a health hazard. Prior to removing or sanding, comply with all applicable federal, state, and local laws, and reference the publication "Lead-Based Paint: Guidelines for Hazard Identification and Abatement in Public and Indian Housing" available from the United States Department of Housing and Urban Development regarding (1) appropriate methods for identifying lead-based paint and removing such paint; and (2) any licensing, certification, and training requirements for persons performing lead abatement work.



MOLD AND MILDEW WARNING: Prior to removing an existing resilient floor or when installing a new floor, if there are visible indications of mold or mildew or the presence of a strong musty odor in the installation area, the source of the problem should be identified and corrected before proceeding with the flooring work. Excessive moisture in the subfloor could promote mold, mildew, and other moisture related issues like the trapping of moisture emissions under the flooring, which may contribute to an unhealthy indoor environment. Mold has the potential to cause health problems and may produce allergens, irritants, and in some cases, potentially toxic substances. Before installing the new resilient flooring, ensure the underlayment and/or subfloor is allowed to thoroughly dry and that any residual effect of excessive moisture, mold, or structural damage has been corrected. Remediation measures may require structural repairs such as replacing the contaminated underlayment and/or subfloor, cleanup measures using appropriate protection and biocide, or hiring a professional mold and mildew remediation contractor. Consult EPA mold guidelines on EPA's website at <https://www.epa.gov/mold>



WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood

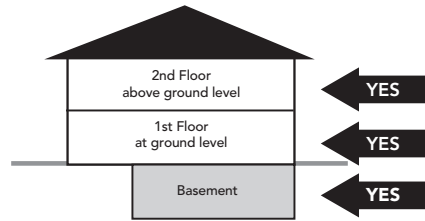
RECOMMENDED USE:

Residential or light commercial interior use **only**. *See the product's limited warranty for details.

Do not install in wet areas like patios and showers, or exterior areas. Do not install in boats or moving vehicles.

GRADE:

On, above and below Grade.



JOBSITE CONDITIONS:

- The building should be enclosed with all doors and windows in place.
- **Prior to delivery and install:** All wet works (e.g. drywall taping, texture, painting, stucco etc.) should be complete and allowed to dry. The rooms should be at normal "lived-in" conditions with HVAC operational for at least one week prior to the installation when building is so equipped.
- When installing over basements and garages, ensure they are dry and well ventilated.
- Crawlspace must be dry with a minimum 18" from the bottom of the floor joist to the ground, Crawl space earth (or thin concrete slab) should be covered 100 percent by a vapor retarder of black polyethylene (minimum 6 mil) or any recommended puncture-resistant membrane, such as Class C, meeting ASTM D1745. Ventilation shall be per local building codes.
- To avoid damages to the floor's finish, all construction activity should be completed before installing this floor.
- Ensure that exterior doors and appliances have sufficient clearance to accommodate the new flooring.
- Do not undercut metal door jambs before first confirming it doesn't violate local building and fire codes.
- All gutters should be in place and functioning properly. Yard grading should be sloped to run water away from the home foundation.
- The installer - not the manufacturer or retailer - is responsible for making sure that the site conditions are appropriate prior to installation of this floor.

USER / OWNER / INSTALLER RESPONSIBILITIES:

- Install in good lighting.
- Product installation constitutes acceptance. Visually inspect the product and determine acceptability before installation. Claims will not be accepted regarding visual defects after flooring has been installed. If any planks are unacceptable due to color, finish, milling or any other reason, it is your responsibility to determine to use them, hide them in areas like closets, trim off the imperfection, or not install them at all.
- A reasonable amount of installed flooring (up to 25% or 100 sq. ft. whichever is less) is enough to determine acceptance of quality.
- Retain a box label and keep on file with your receipt for future reference.
- If quality issues are suspected stop the installation and call your local store or CUSTOMER CARE at 1-800-366-4204.

ACCLIMATION: 48 hours

- Stack boxes flat, and no more than eight cartons high in areas to receive new flooring.
- Remove planks from packages just before starting the installation.

TEMPERATURE:

For best product performance, ensure the temperature in the home is between 65°F – 82°F. Before, during, and for the life of the flooring.

RELATIVE HUMIDITY:

Maintain Relative Humidity between 35% – 65%

CUTTING ALLOWANCE:

A 10' x 10' room has net 100 square feet (Sq. Ft.) – the actual area that will have flooring – but more product is required to allow for cutting which generates unusable pieces.

Carefully measure the net square feet required, adding up multiple areas. The table gives an approximate recommendation for cutting allowance: Quantities are always rounded up to the nearest box.

Tip: If more than half a box is not available for spares we recommend ordering an extra box.

Please note: Actual cutting waste may be lower or higher based on room layout. E.g. multiple rooms vs. one large area and "pattern" being installed. E.g. diagonal installations will require more cutting allowance.

Consider carefully before returning boxes.

Keeping extra boxes is a great idea and inexpensive insurance against

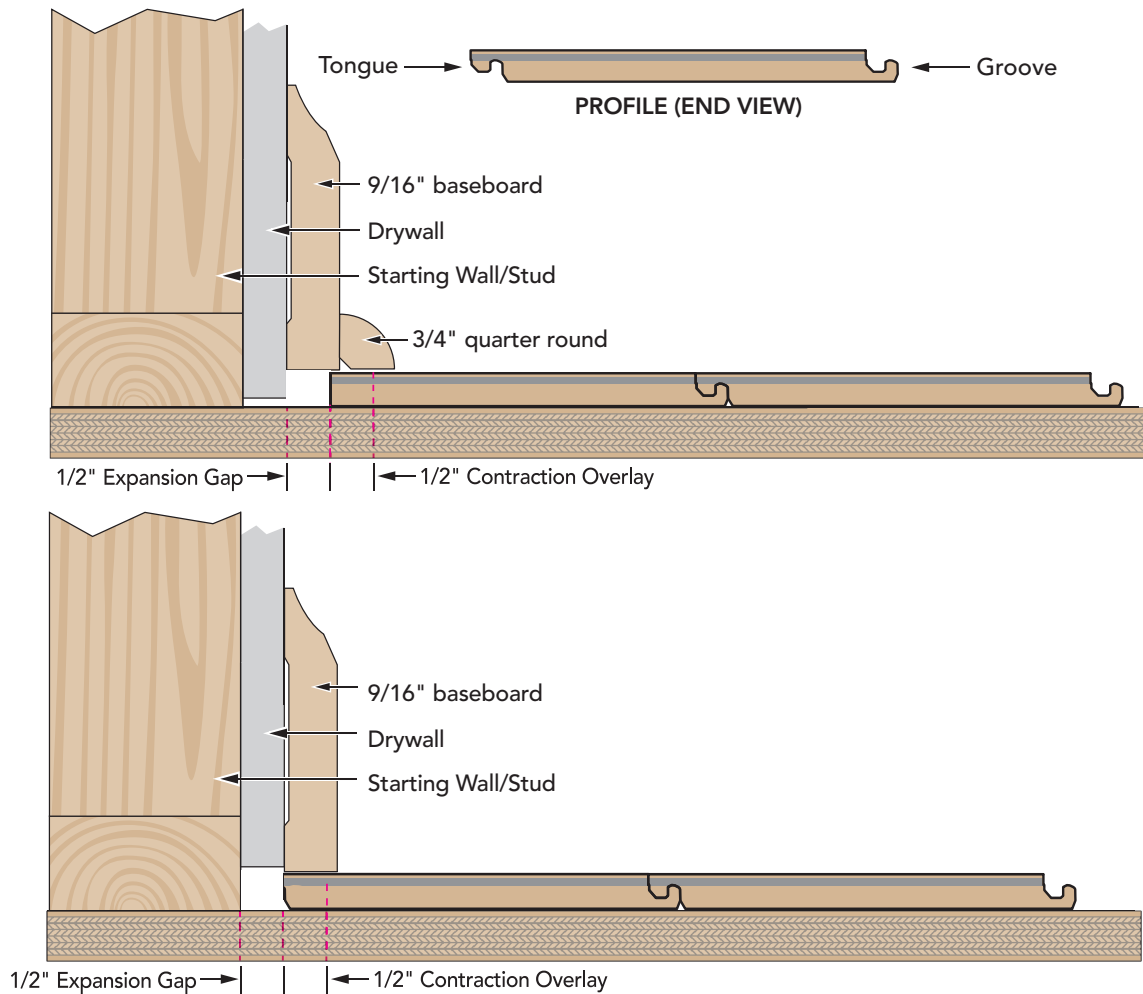
damage, if a repair is needed the product and batch will be the same, and you have options even if the product has been discontinued.

Diagonal installations will generally require 5% more material over and above the cutting allowance given above.

Net Area SqFt	Total with Cutting Allowance SqFt	% Applied
100	110	10
200	218	9
400	432	8
600	642	7
800	848	6
1000	1050	5
above 1000 SqFt add 5%		

EXPANSION AND CONTRACTION SPACE:

Allow 1/2" gap between the flooring and all vertical obstructions (walls, door jams, pipes, staircases, posts, fixtures, built-ins, etc.) to ensure floor trim covers expansion gap and allows for 1/2" contraction by overlapping the flooring (see How to Achieve space for expansion and contraction Installation). If the room has electric baseboard heaters, leave a minimum of 3/4" between the surface of the flooring and the bottom of the heaters, allowing heat to circulate properly.



RUN LENGTH AND WIDTH:

Floating: 30' in Length and Width. Runs greater than 30' require transitions between areas.

NOTE: When installed in a "floating" application: this flooring cannot be glued, nailed, screwed or otherwise fixed or attached (e.g. door stopper, closet track, stair rails, etc.) to the subfloor in any way. It must have room to expand and contract freely. Gapping and buckling can develop if expansion space and T-moldings, requirements are not followed.

CABINETS / FIXED FIXTURES:

- Do not install under fixed cabinets or islands of any type.

SUNLIGHT:

Your flooring may change color with prolonged exposure to sunlight. Use of window coverings, shades, or tinting your windows, is recommended to slow this process.

SUBFLOORS NEED TO BE: CLEAN – FLAT – DRY:

All substrates must be structurally sound and free from movement or deflection.

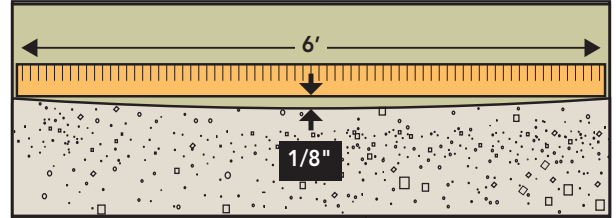
CLEAN:

Free from particles including but not limited to: dust, dirt, and grit.

SUBFLOOR MUST BE FLAT AND SMOOTH

FLAT:

Subfloors must be flat within 1/8" over 6', and 3/16" over a 10' span.

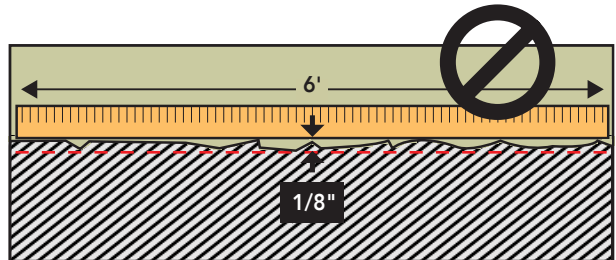


SMOOTH:

Abrupt peaks and valleys must be avoided!

Improper substrate or flatness can result in gaps, locking mechanism failure and premature wear on surface.

Correct any issues.



DRY:

Follow product use limitations and adhesive manufacturers technical data sheets (TDS) / install guide.

Do not install this flooring over plywood underlayment attached to concrete, unless it is known that an appropriate moisture barrier has been installed (all applications).

WOOD SUBFLOOR PREPARATION:

- Screw down loose or squeaky sections of plywood and replace areas that are damaged.
- To smooth over or eliminate telegraphing of the base floor or to cover over unsuitable substrates in wood subfloors, use APA grade plywood underlayment, thickness (1/4" solid core luan or 3/8" plywood) or similar panels warranted by the plywood manufacturer for this application.
- To address flatness concerns, sand or plane high spots, 15 or 30 lb. roofing felt or vinyl tile can be used to build up (in layers) low areas on wood subfloors in "floating" applications.

STRUCTURAL REQUIREMENTS:

Note that joist spacing determines minimum subfloor thickness.

Joist spacing 16" on center (OC) or less

- Plywood: Minimum of (5/8", 19/32") Oriented Strand Board (OSB); minimum (3/4", 23/32"), Advantech minimum (3/4", 23/32")

Joist spacing 16" up to 19.2" (OC)

- Plywood: Minimum of (3/4", 23/32") Oriented Strand Board (OSB); minimum of (3/4", 23/32")

Joist spacing over 19.2" up to maximum 24" (OC)

- Plywood: Minimum of (7/8") Oriented Strand Board (OSB); Minimum of (1") or two layers of subflooring or brace between truss/joists in accordance with local building codes.

MOISTURE TESTING:

Use a meter that is species / material adjustable. E.g. Ligno-scanner SDM or mini-Ligno DX/C moisture meter.

- If using alternate meter check that meter can be used with the subfloor material in question.
Test sub-floor in multiple locations: it is recommended to test 20 location per 1000 square feet and average the results. Moisture readings must not exceed 12%.

CONCRETE SUBFLOOR PREPARATION:

- 6 mil polyethylene moisture barrier- seams overlapped 4"- 6" and taped using a waterproof adhesive tape (e.g. duct tape) must be used.
- Do not proceed with installation if concrete is wet or shows sign of dampness. Excessive moisture could lead to mold / mildew.
- To address flatness concerns; Grind down* high spots and fill in low spots with an appropriate Portland cement based patch or self-leveler (allow to cure fully) prior to installing floor. *CAUTION: Follow OSHA guidelines (29 CFR 1926.1153) regarding silica dust hazards.
- 15 / 30 lb. roofing felt or vinyl tile can be used to build up (in layers) low areas on concrete subfloors.

LIGHTWEIGHT ALTERNATIVE SUBFLOORS (Float Only):

Installation over gypsum based slabs is limited to above grade, floating installations only. Do not use 6mm poly over lightweight concrete e.g. Gypcrete use gypsum based patch or self-leveler (allow to cure fully) prior to installing floor.

***CAUTION: Follow OSHA guidelines (29 CFR 1926.1153) regarding silica dust hazards.**

EXISTING FLOORS:

- Any existing natural flooring products glued directly to concrete substrates must be removed prior to installation.
- Do not install over cushioned vinyl flooring, or existing floating floor products.
- Do not install over carpet and padding.
- To prevent telegraphing a suitable embossing compound may be needed to conceal grout lines and heavily textured tiles.
- On existing hardwood floors, we recommend laying, planks crossways (perpendicular) to the existing floorboards.

RADIANT HEAT SYSTEMS:

This Hydrocork flooring product may be installed over approved QuietWarmth film systems.



RADIANT HEAT FILM FOR FLOATING FLOORS

QuietWarmth comes in several sizes to configure to your individual space whether Large or small!

Call 1-800-366-4204 or see you local store for complete details.

[Please review manufacturer's technical data sheet for more details.](#)

- This flooring is suitable for installation over Radiant heating systems provided that the heating element is not in direct contact with the product.
- New heating systems should be running two weeks before installation to remove residual moisture from the subfloor.
- Lower temperature of heating system to 60°F for one week prior to installation.
- Gradually increase temperature in increments of 5° per day to avoid shock until the desired temperature is achieved .
- Surface temperature should not exceed or sustain 82°F.

Because of the wide array of systems on the market each with its own features and applications, it is recommended that the user consult with the heating provider for best practices and installation methods. It is the user's responsibility to confirm the suitability of any selected or existing radiant-heating system that will be used in conjunction with this flooring. Rugs placed over radiant heated flooring can increase the surface temperature in that area by 3° - 5°F degrees.

UNDERLAYMENT:

Do not use additional underlayment.

HELPFUL TOOLS (as needed):

- Tape Measure • Pencil • Chalk line • 6' level • Framing Square/Metal straight edge • Screed • Utility Knife (Blades) • Miter saw f
- Table saw • 60 tooth carbide tip saw blades • Jamb saw • Jig Saw • Floor cutter • Drill • Drill bit set • Hammer • Flat Pry Bar • Broom
- Eye protection Ear protection • Knee pads • Niosh Dust Mask • Gloves • Moisture Meter • Color Putty • Stain markers


ADDITIONAL NOTES:

- When moving furniture and heavy equipment, use luan board, plywood, or other similar covering to protect the floor.
- Moisture intrusions from concrete via hydrostatic pressure, flooding, or plumbing leaks, along with high levels of alkalinity, can affect floor coverings over time. Moisture can also be trapped below the flooring and create mildew or mold.

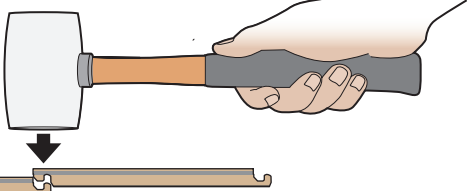
Each project is unique and different. Installation advice or recommendations are given as a courtesy and not intended to take the place of an installer's visual inspection, expertise or informed judgment, the end user / contractor on-site is ultimately responsible for ensuring that selected products are appropriate for local conditions and / or their final use of the product.

This floor is water proof, however, moisture intrusions from concrete via hydrostatic pressure, flooding, or plumbing leaks, along with high levels of alkalinity, can affect floor coverings over time. Moisture can also be trapped below the flooring and create mildew or mold.

How to Assemble Press Fit Planks

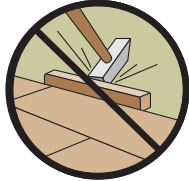
Tongue →  ← Groove
PROFILE (END VIEW)

This product has a "Press Fit" locking system that is engaged by dropping "straight down" on both the long and the short sides as pictured here. Do not attempt to install this product using an "Angle-Drop" method.



Be sure locking system is fully engaged!

Be sure locking system is fully engaged! Planks must be flat in relation to each other (on all sides) without gaps before continuing installation.

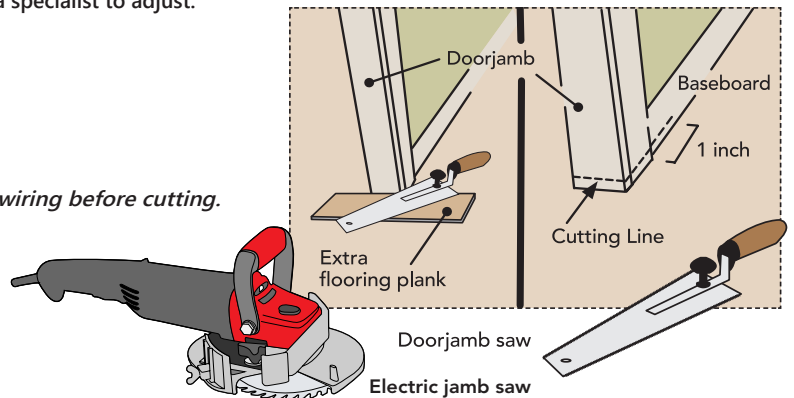


NEVER USE A TAPPING BLOCK OR PULL BAR. THESE WILL DAMAGE YOUR FLOORING AND VOID THE WARRANTY

STEP 1. GETTING STARTED:

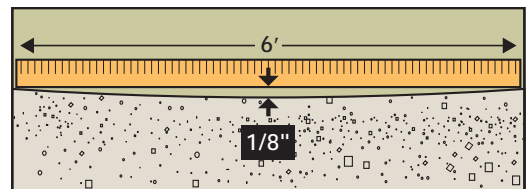
Important: Do not cut metal door frames before first confirming it does not violate local building and fire codes. Any metal doors must be addressed by a specialist to adjust.

Check for alarm or other low voltage wiring before cutting.



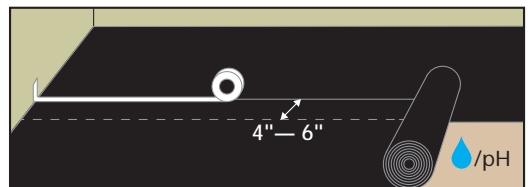
A:

Check that subfloor is flat to within specifications per details found under "CLEAN-DRY-FLAT" in previous section. Correct any issues.



B:

Install 6 mil polyethylene film vapor barrier if subfloor is concrete.



STEP 2. LAYOUT:

Determine which direction the planks will be installed. Generally, plank flooring is run parallel with the longest straight exterior wall, or the focal point of the room. Considerations are fireplaces, doors, cabinets, transitions. For best appearance full planks are desirable at the focal point and most cases it is the longest unbroken wall in the room.

INSTALLERS! It is advisable to determine the installation layout and direction (North/South vs East/West).

IMPORTANT: Mix materials from several cartons to ensure best overall color/shade appearance of the installed floor.

Preparation of planks for the starting row when needed:

To avoid very narrow pieces at finish wall; measure the distance between the starting wall to the finish wall, then divide this number by the width of the flooring planks. The fraction is the width of the last plank.

Eg. for a 12' room:

Start – Finish = 144" – 1" (1/2" expansion x 2) = 143"

Width of Plank = 7.25"

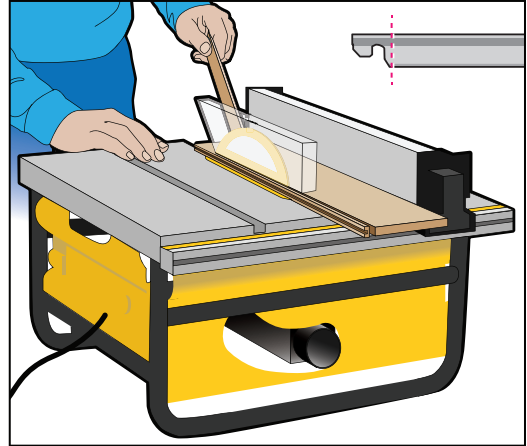
$143 \div 7.25 = 19.72$

Nineteen full planks are required and last will be fraction x plank width
 $7.25" \times 0.72 = 5.22"$

If width of last plank is less than 2.5", balance by cutting (Rip) starting row of planks accordingly.

NOTE: If a narrow strip is unavoidable for the last row, the final two rows can be glued together at the joint using a thin even bead. Apply a thin—even bead of flexible (Gel Control) super glue or hot-melt glue (for plastics).

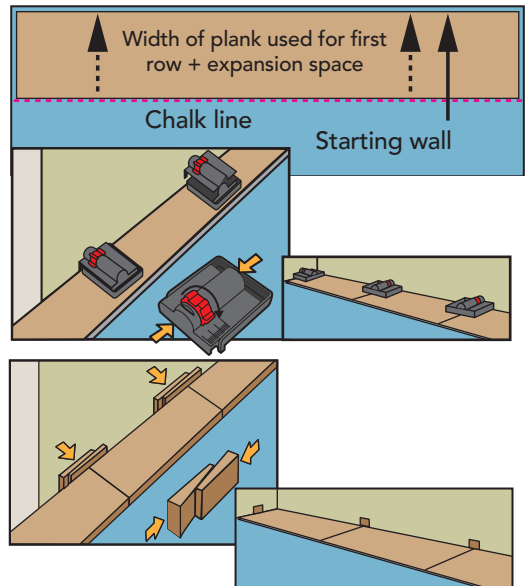
*These adhesives dry quickly so pre-fit and position plank prior to applying glue.



STEP 3: ESTABLISH A WORKING LINE:

In at least two places, measure out equal distance from your starting wall, 12"–18" from each corner.

The distance from the starter wall to the line will be the width of the plank used on first row, the expansion space. Mark these points and snap a chalk line (as shown) parallel to your starting wall. Be sure to maintain proper gap around all vertical obstructions, e.g. newel posts, raised hearths, upright pipes, etc.



STEP 4.

Use spacers to maintain the recommended expansion gap between the flooring and the walls. Place spacers adjacent to each plank joint and at the beginning and end of each row. This will lock-in assembled panels and prevent shifting during installation.

It is important to have your starting row perfectly straight and properly supported against your starting wall. Always allow a 1/2" gap around all other fixed objects including upright pipes or other fixtures.

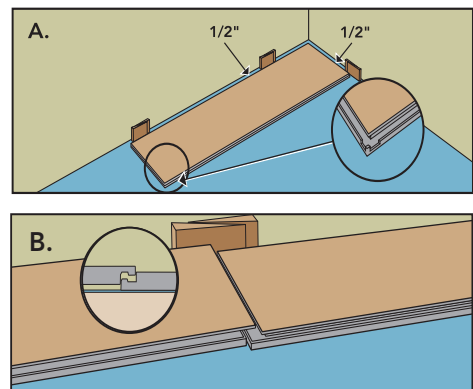
Tip: Scrap flooring (cut up in short strips) may be used for additional spacing material.

STEP 5. STARTING ROW:

Install planks from right to left, up against the spacers.

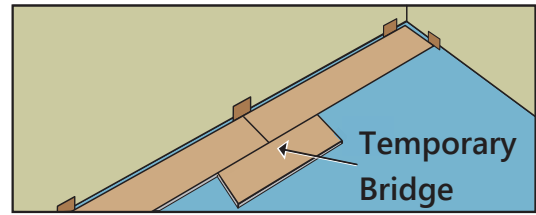
A. Lay the first plank against the wall, and up to the right wall. The groove edge should be facing toward you.

B. Align and overlap end-joint of second plank.



Pro Tip:

To ensure that first row of planks is perfectly straight, a temporary bridge may be used to align each end joint in row. Using a 2' piece of scrap flooring as a bridge, temporarily engage bridge to the grooves of first row as shown and then engage the end joints. Carefully disengage bridge and use for next end-joint(s) until row is completed.



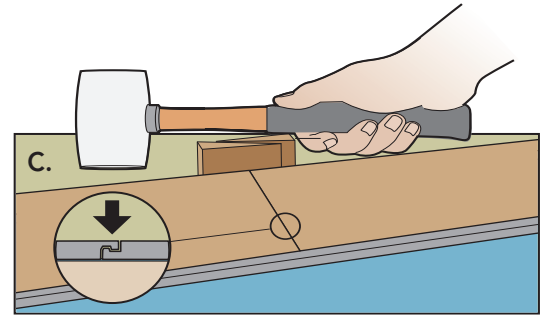
- C. Hold the next plank tight to the short end of the first plank matching the corners and then press it down with the help of a hand roller, or firmly tap with a rubber mallet. Ensure that the long sides of the planks make a straight line.

To avoid installation damage:

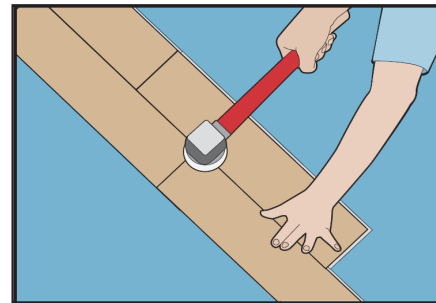
Do not use excessive force to engage locking mechanism!

Complete first row in the same way and cut final plank of the first row to the correct length.

NOTE: See step 8 for how to cut the last plank in row.



Decor edges must be flush with no high spots, check for high edges by running your hand over the plank seams, and tap down entire plank at all overlapping edges.



STEP 6. SECOND & CONSECUTIVE ROWS:

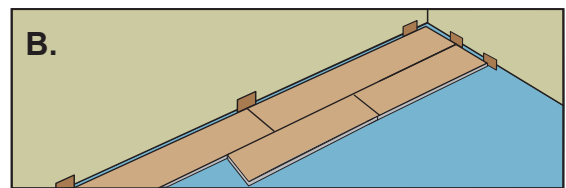
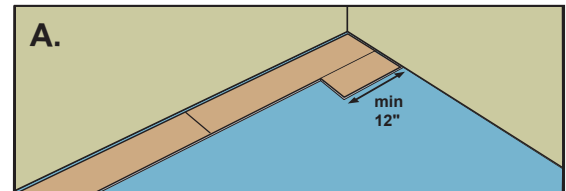
Confirm first row is straight.

- A. Use a cut plank at least 12" in length. Place the first plank of the new row with the tongue side matching the groove side of the plank in the previous row and engage locking system with the help of a hand roller, or firmly tap with a rubber mallet.

To avoid installation damage:

Do not use excessive force to engage locking mechanism!

- B. Install the second plank to the left of the first plank in the same manner being sure to overlap the end joints.

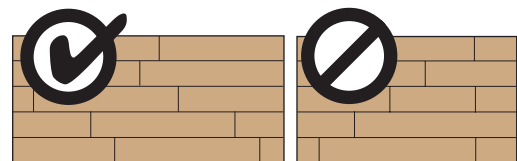


STEP 7. IMPORTANT:

When laying out planks, always stagger end joints from row to row, by at least 12" to ensure the structural integrity of your floor and a pleasing appearance.

Work from different cartons of planks to minimize clustering of patterns.

Pay close attention to avoid "stairstep" or "H-patterns" appearing in the flooring.

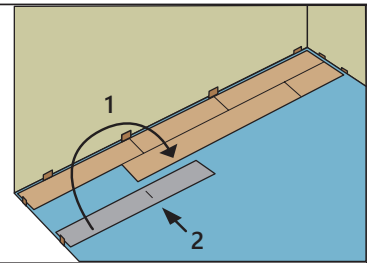


STEP 8. CUTTING END-OF-ROW BOARDS:

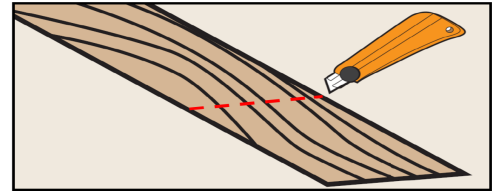
The last board in each row must be cut to fit, while still maintaining a 3/4" expansion gap at the walls. Here's how:

1. Flip the plank over, end-to-end.
2. Lay the flipped board next to the row of planks and mark it on the face.
3. Cut the plank at the mark.
4. Flip the plank back over and install as normal.

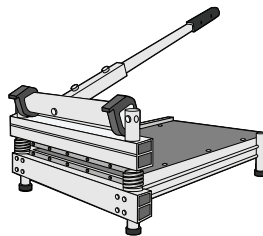
1. Flip
2. Mark
3. Cut
4. Flip Back



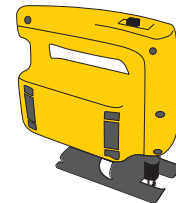
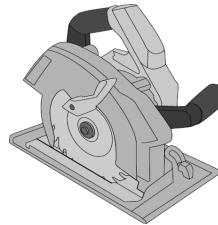
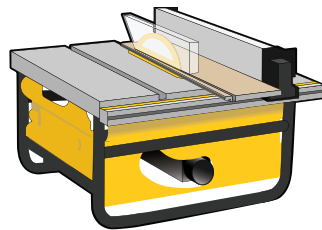
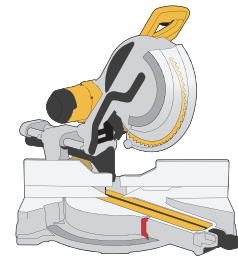
This material can be cut using a sharp utility knife & straight edge. Just Score and Snap!



Floor cutters*, power miter, table, circular and jig saws can also be used to cut this flooring product.



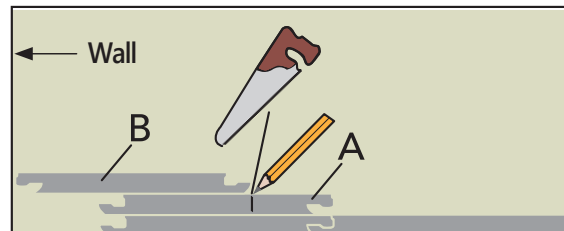
* Cutting Width: 9" Max.



STEP 9.

The last row will need to be cut lengthwise to fit properly. Here's how to get it just right:

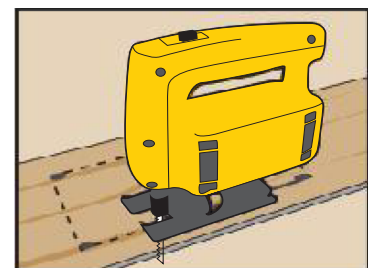
- A. Lay a plank of flooring right on top of the last full row in place.
- B. Then lay another plank of flooring on top of that plank, with the tongue side touching the wall.
- C. Use plank B as a straight-edge guide, and mark a line lengthwise on plank A.
- D. Cut plank A lengthwise along this line.
- E. Plank A can now be installed as the last row. We recommend you use edge glue for this last row.



FITTING AROUND IRREGULAR SHAPED OBJECTS:

Make a template to fit around pipes or irregular shaped objects. Place the pattern upon the plank and trace. Cut along the trace lines using a jig saw, and install plank.

Note: Be sure to leave the recommended expansion space around all fixed objects, cabinetry and metal door jambs.

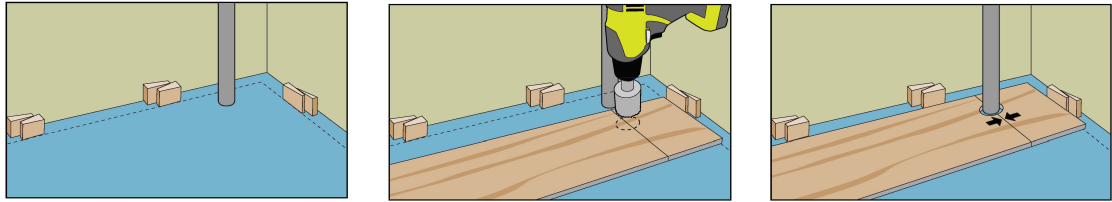


PIPES:

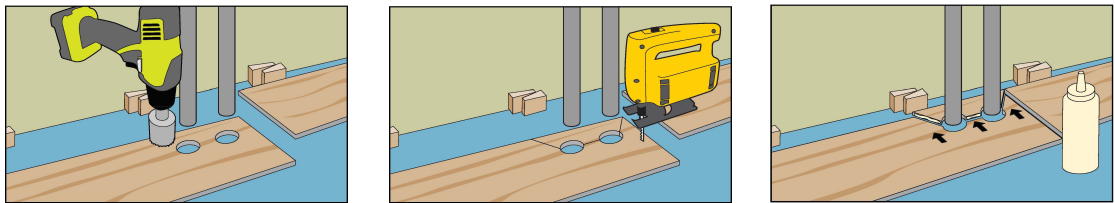
When a pipe is passing through the floor make a hole on the plank 1" greater than the diameter of the pipe, cut the plank with a 45° angle towards the hole. The cut-off pieceedges are glued in the position again. *Do not glue to the subfloor.*



When there is single pipe on a wall, you can plan to have the end-joints meet at pipe, drill and install as shown.



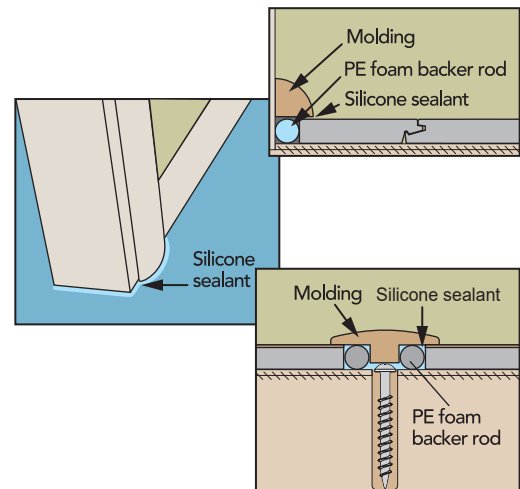
If there are multiple or larger pipes passing through the floor make hole(s) on the plank 1" greater than the diameter of the pipe, cut the plank with a 45° angle towards the hole. The cut-off pieceedges are glued in the position again. *Do not glue to the subfloor.*



STEP 10.

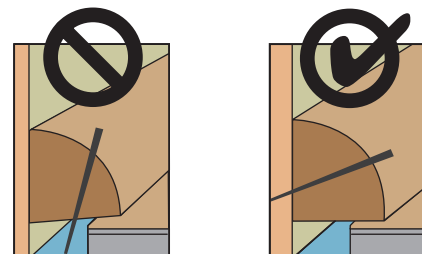
When installing in wet areas such as a bathroom, laundry room or kitchen, a watertight seal must be achieved by applying flexible 100% silicone sealant and backer-rod to the perimeter of the installation.

- Remove spacers. Fill wall expansion spaces with a 1/2" compressible PE foam backer rod and cover with silicone sealant. (DO NOT use acrylic sealant).
- Apply silicone sealant at connections to doorframes or any other fixed objects.



STEP 11.

Cover expansion spaces with quarter round or other trim. To ensure the floor is able to "float" freely, be sure to affix baseboards or moldings to the walls, not to the floors. This way, the floor can expand & contract within the gap.



STEP 12.

In areas where your new floor meets other types of flooring, such as carpet or tile, select an appropriate molding to get a professional looking and safe transition.

U-Track is attached to the substrate to secure the End Cap, T-Molding and Reducer transitions.

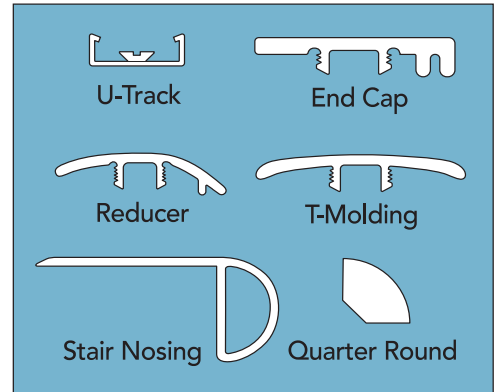
End cap moldings transition from new floor to carpet, sliding doors, raised hearths, etc.

Reducer moldings transition from new floors to hard surfaces surfaces that are lower than the floor, such as vinyl or tile.

Stair Nose moldings are used when the new floor edge is at a step-down; Example: when the flooring meets at the top of a stairway "going down".

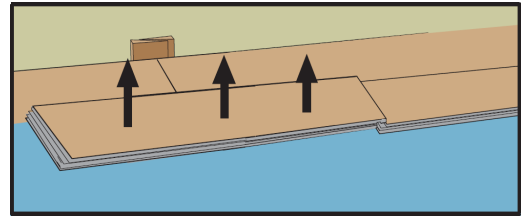
T-Moldings cover expansion spaces at doorways, and they transition from your new floor to other hard surfaces of similar height.

Quarter round moldings are used to cover expansion spaces / facilitate a neat transition between the baseboards and the flooring.



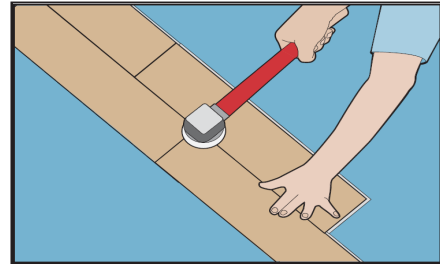
Removing the floor:

If you wish to uninstall the floor, start with the last plank installed. Lift the plank first on the short side and pull up the in the long side while pressing down on the adjacent planks to separate them.



Replacing a damaged plank:

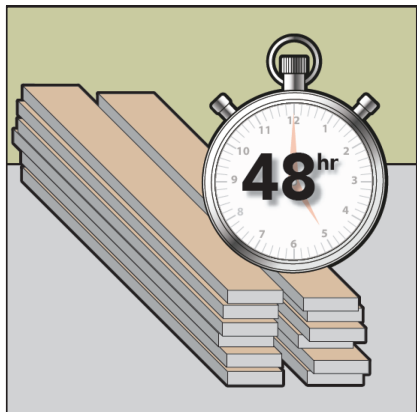

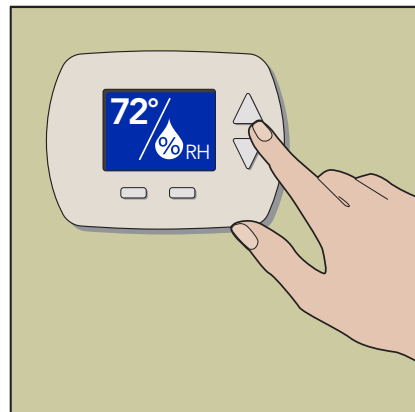
Lift the corner of plank you want to replace a couple inches: 2 sides of the planks (tongue sides) need to be lifted, and the other 2 sides (groove sides) need to be pressed down, to separate it from the adjacent planks. Put the new plank into place, by inserting the groove sides under the tongue sides of adjacent planks and then pressing down with the help of a hand roller or firmly tap down with a rubber mallet.



[HOME * WARRANTY * CARE](#)

GLUE DOWN * [DF9GG: #1 Method Click Here](#) * [WALL APPLICATION Click Here](#)

Save time & avoid frustration! Please read these entire instructions before starting your installation, and A.I.M. for success!

AIM	AIM	AIM
		
<p>Acclimate Completely Acclimate your flooring to interior temperature for at least 48 hours. Temp. must be between 65°F – 82°F.</p>	<p>Install Correctly Take time to review LL Flooring's installation guidelines to ensure that your installation goes well from beginning to end.</p>	<p>Maintain Environment Interior temperature should be maintained between 65°F – 82°F and 35% – 65% Relative Humidity during the life of the floor.</p>



Need Help? To obtain installation assistance or product information concerning this flooring, contact the store of original purchase, or call the LL Flooring's customer care at 800-366-4204.



WARNING! DO NOT SAND, DRY SWEEP, DRY SCRAPE, DRILL, SAW, BEADBLAST OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUTBACK" ADHESIVES OR OTHER ADHESIVES.

These products may contain asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the product to be removed is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content. See current edition of the Resilient Floor Covering Institute (RFCI) publication, "Recommended Work Practices for Removal of Resilient Floor Coverings" for detailed information and instructions on removing all resilient covering structures. For current information, go to www.rfci.com.



LEAD WARNING: Some paints and finishes in homes built before 1978 may contain lead. Exposure to excessive amounts of lead dust presents a health hazard. Prior to removing or sanding, comply with all applicable federal, state, and local laws, and reference the publication "Lead-Based Paint: Guidelines for Hazard Identification and Abatement in Public and Indian Housing" available from the United States Department of Housing and Urban Development regarding (1) appropriate methods for identifying lead-based paint and removing such paint; and (2) any licensing, certification, and training requirements for persons performing lead abatement work.



MOLD AND MILDEW WARNING: Prior to removing an existing resilient floor or when installing a new floor, if there are visible indications of mold or mildew or the presence of a strong musty odor in the installation area, the source of the problem should be identified and corrected before proceeding with the flooring work. Excessive moisture in the subfloor could promote mold, mildew, and other moisture related issues like the trapping of moisture emissions under the flooring, which may contribute to an unhealthy indoor environment. Mold has the potential to cause health problems and may produce allergens, irritants, and in some cases, potentially toxic substances. Before installing the new resilient flooring, ensure the underlayment and/or subfloor is allowed to thoroughly dry and that any residual effect of excessive moisture, mold, or structural damage has been corrected. Remediation measures may require structural repairs such as replacing the contaminated underlayment and/or subfloor, cleanup measures using appropriate protection and biocide, or hiring a professional mold and mildew remediation contractor. Consult EPA mold guidelines on EPA's website at <https://www.epa.gov/mold>



WARNING:

Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood

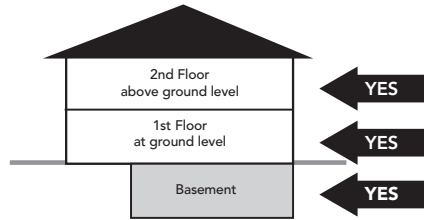
RECOMMENDED USE:

Residential or light commercial interior use **only**. *See the product's limited warranty for details.

- Do not install in wet areas like patios and showers, or exterior areas.
- Do not install in boats, moving vehicles or over Quiet Warmth Film Radiant heat systems.

GRADE:

On, above and below Grade.



JOBSITE CONDITIONS:

- The building should be enclosed with all doors and windows in place.
- **Prior to delivery and install:** All wet works (e.g. drywall taping, texture, painting, stucco etc.) should be complete and allowed to dry. The rooms should be at normal "lived-in" conditions with HVAC operational for at least one week prior to the installation when building is so equipped.
- When installing over basements and garages, ensure they are dry and well ventilated.
- Crawlspace must be dry with a minimum 18" from the bottom of the floor joist to the ground, Crawl space earth (or thin concrete slab) should be covered 100 percent by a vapor retarder of black polyethylene (minimum 6 mil) or any recommended puncture-resistant membrane, such as Class C, meeting ASTM D1745. Ventilation shall be per local building codes.
- To avoid damages to the floor's finish, all construction activity should be completed before installing this floor.
- Ensure that exterior doors and appliances have sufficient clearance to accommodate the new flooring.
- Do not undercut metal door jambs before first confirming it doesn't violate local building and fire codes.
- All gutters should be in place and functioning properly. Yard grading should be sloped to run water away from the home foundation.
- The installer - not the manufacturer or retailer - is responsible for making sure that the site conditions are appropriate prior to installation of this floor.

USER / OWNER / INSTALLER RESPONSIBILITIES:

- Install in good lighting.
- Product installation constitutes acceptance. Visually inspect the product and determine acceptability before installation. Claims will not be accepted regarding visual defects after flooring has been installed. If any planks are unacceptable due to color, finish, milling or any other reason, it is your responsibility to determine to use them, hide them in areas like closets, trim off the imperfection, or not install them at all.
- A reasonable amount of installed flooring (up to 25% or 100 sq. ft. whichever is less) is enough to determine acceptance of quality.
- Retain a box label and keep on file with your receipt for future reference.
- If quality issues are suspected stop the installation and call your local store or CUSTOMER CARE at 1-800-366-4204.

ACCLIMATION: 48 hours

- Stack boxes flat, and no more than eight cartons high in areas to receive new flooring.
- Remove tiles from packages just before starting the installation.

TEMPERATURE:

For best product performance, ensure the temperature in the home is between 65°F – 82°F. Before, during, and for the life of the flooring.

RELATIVE HUMIDITY:

Maintain Relative Humidity between 35% – 65%

CUTTING ALLOWANCE:

A 10' x 10' room has net 100 square feet (Sq. Ft.) – the actual area that will have flooring – but more product is required to allow for cutting which generates unusable pieces.

Carefully measure the net square feet required, adding up multiple areas.

The table gives an approximate recommendation for cutting allowance:

Quantities are always rounded up to the nearest box.

Tip: If more than half a box is not available for spares we recommend ordering an extra box.

Please note: Actual cutting waste may be lower or higher based on room layout. E.g. multiple rooms vs. one large area and "pattern" being installed. E.g. diagonal installations will require more cutting allowance.

Consider carefully before returning boxes.

Keeping extra boxes is a great idea and inexpensive insurance against damage, if a repair is needed the product and batch will be the same, and you have options even if the product has been discontinued.

Diagonal installations will generally require 5% more material over and above the cutting allowance given above.

Net Area SqFt	Total with Cutting Allowance SqFt	% Applied
100	110	10
200	218	9
400	432	8
600	642	7
800	848	6
1000	1050	5
above 1000 SqFt add 5%		

EXPANSION GAP:

No expansion gap is required when this product is glued down. A gap however will not affect the performance of the floor. Finish with Base board or quarter round.

RUN LENGTH AND WIDTH:

Glue down: No limit in run length. (See glue down instructions later in these guidelines.)

CABINETS / FIXED FIXTURES:

Although not recommended, cabinets may be installed on top of this product when it is installed as an entire full spread glue down installation (see the product's limited warranty for details).

SUNLIGHT:

Your flooring may change color with prolonged exposure to sunlight. Use of window coverings, shades, or tinting your windows, is recommended to slow this process.

SUBFLOORS NEED TO BE: CLEAN – FLAT – DRY:

All substrates must be structurally sound and free from movement or deflection.

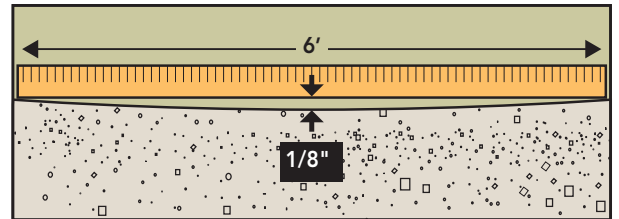
CLEAN:

Free from contaminants including but not limited to: oil, grease, parting compounds, chemical contaminants, sealing and curing agents, paint, drywall compound, old adhesives such as cutback, solvents, and loose or broken patching agents and other foreign materials that might prevent adhesive bond (refer to the adhesive technical data sheet / install guide).
Free from particles including but not limited to: dust, dirt, and grit.

SUBFLOOR MUST BE FLAT AND SMOOTH

FLAT :

Subfloors must be flat within 1/8" over 6', and 3/16" over a 10' span.

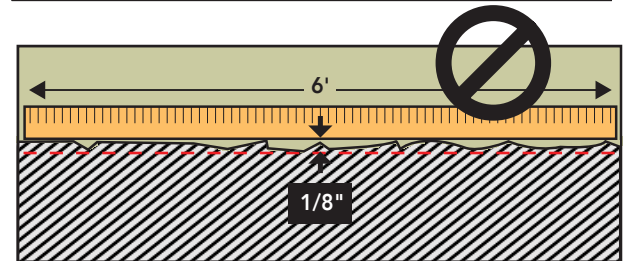


SMOOTH:

Abrupt peaks and valleys must be avoided!

Improper substrate or flatness can result in gaps, locking mechanism failure and premature wear on surface.

Correct any issues.



DRY:

Follow product use limitations and adhesive manufacturers technical data sheets (TDS) / install guide.

Do not install this flooring over plywood underlayment attached to concrete, unless it is known that an appropriate moisture barrier has been installed (all applications).

WOOD SUBFLOORS PREPARATION:

- Screw down loose or squeaky sections of plywood and replace areas that are damaged.
- To address fatness concerns sand or plane high spots and fill the low spots with a material approved for use under wood flooring.
- Glue down applications – low, sagging areas of the subfloor should be cut out and replaced with the same thickness.
- Installers are responsible to use materials to ensure product performance.
- Substrates that are un-level /flat due to structural deficiencies should be repaired by a licensed contractor.
- **Never apply plastic sheet over wood subfloors.**

STRUCTURAL REQUIREMENTS:

Note that joist spacing determines minimum subfloor thickness.

Joist spacing 16" on center (OC) or less

- Plywood: Minimum of (5/8", 19/32") Oriented Strand Board (OSB): minimum (3/4", 23/32")
Advantech minimum (3/4", 23/32")

Joist spacing 16" up to 19.2" (OC)

- Plywood: Minimum of (3/4", 23/32") Oriented Strand Board (OSB): minimum of (3/4", 23/32")

Joist spacing over 19.2" up to maximum 24" (OC)

- Plywood: Minimum of (7/8") Oriented Strand Board (OSB): Minimum of (1") or two layers of subflooring or brace between truss/joists in accordance with local building codes.

MOISTURE TESTING:

Use a meter that is species / material adjustable. E.g. Ligno-scanner SDM or mini-Ligno DX/C moisture meter.

- If using alternate meter check that meter can be used with the subfloor material in question.
Test subfloor in multiple locations, with an appropriate wood moisture meter, it's recommended to test 20 location per 1000 square feet and average the results. Moisture readings must not exceed 12%.
- Higher readings indicate a moisture concern that needs to be addressed before installation can begin.
Do not install this flooring over plywood underlayment attached to concrete, unless it is known that an appropriate moisture barrier has been installed.
- For your protection, documenting and saving the test results is recommended.

CONCRETE SUBFLOORS PREPARATION:

- Prepare and test per ASTM F 710; The Standard Practice for Preparing Concrete to Receive Resilient Flooring. Surface cracks, grooves, depressions and other irregularities shall be filled or smoothed with latex cement patching compound. Patching or underlayment compound shall be moisture, mildew and alkali-resistant and provide a minimum of 3000 psi compressive strength after 28 days.
- To address fatness concerns; Grind down* high spots and fill in low spots with an appropriate Portland cement based patch or self leveler (allow to cure fully) prior to installing floor.
***CAUTION:** Follow OSHA guidelines (29 CFR 1926.1153) regarding silica dust hazards.
- Do not glue directly over unsuitable substrates such as but not limited to; adhesive residue, exterior grade plywood, OSB, strip hardwood flooring, chemically treated wood, particle board, chipboard, flakeboard, fiber or cement board, masonite, pressboard, gypcrete or gypsum base products.
- Do not install this flooring over expansion joints, crack isolation joints, or other moving joints in concrete slabs. Flooring material shall be cut to either side of the joint and a suitable transition installed.
- Surface Contaminants: Mechanically remove all surface contaminants by grinding or scarifying the substrate.
CAUTION: Follow OSHA guidelines (29 CFR 1926.1153) regarding silica dust hazards.

- Slab temperature must be between 65°F and 82°F.
- Installing over existing flooring- see adhesive manufacturer's recommendations*.
- Bond tests should always be performed*.
- It is the installers responsibility to moisture test all concrete substrates regardless of age or grade level to determine the acceptable limits of moisture applicable to the adhesive used*.
*Follow manufacturer's TDS / installation guide.

RECOMMENDED PATCHES / LEVELERS:

- Cement Patching- Bostik WebcreteR 95™
 - Total Surface Self-Leveling- Bostik SL-175™ (plus Primer Pro)
- Follow manufacturer's TDS / installation guide.

RECOMMENDED ADHESIVES:

- Use LL approved transitional or pressure sensitive adhesives that are designed for use with cork flooring products for this application.
- See your local store or contact Customer Care support @ 1-800-366-4204
- Please check the manufacturers' Technical Data Sheets "TDS" and instructions to ensure the adhesive is approved for your type of installation and the details of subfloor prep, moisture and pH testing, approved substrates, trowel sizes, cure times, coverage and other important information.
- TDS sheets can be found at www.LLFlooring.com and on the adhesive product pages.

MOISTURE TESTING:

Perform moisture tests regardless of age or grade of the concrete to determine moisture levels. A concrete slab shall be cured a minimum of 60 - 90 days before performing moisture tests. If concrete moisture levels exceed the adhesive manufacturer acceptable limits, do not install the floor.

Follow the moisture testing instructions, product limitations and procedural guidelines in the adhesive manufacturer's Technical Data Sheets / Manufacturer Guidelines. The test requirements and limits that apply will vary by product specified.

- There are only two accepted moisture test methods.
 - 1 The Standard Test Method for Determining Relative Humidity in Concrete Floor Slabs Using in situ Probes (ASTM F 2170)
 - 2 The Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride (ASTM 1869).
- Note: The use of moisture meters, / plastic sheet tests are not industry accepted quantitative test methods
- For your protection, documenting and saving the test results is recommended.
- Slabs must be free of hydrostatic pressure.

pH TESTING- SURFACE ALKALINITY ON CONCRETE SUBSTRATE ASTM F710:

- Concrete floors should be tested for pH levels prior to the glue installation of resilient flooring.
- Readings below 7.0 and in excess of 10.0 have been known to affect resilient flooring or adhesives, or both.
- pH Testing—Concrete floors shall be tested for pH prior to the installation of resilient flooring. Levels of pH shall not exceed the written recommendations of the resilient flooring manufacturer or the adhesive manufacturer, or both.
- To test for pH at the surface of a concrete slab, use wide range pH paper, its associated pH chart, and distilled or deionized water. Place several drops of water on a clean surface of concrete, forming a puddle approximately 1 in. (25 mm) in diameter. Allow the puddle to set for 30 seconds, and then dip the pH paper into the water. Remove immediately and compare to chart to determine pH reading. Other pH testing methods such as pH pencils or pH meters, or both, are available and may be used to measure pH. Review pH test kit instructions.
- Refer to adhesive manufacturer's technical data sheets (TDS) to determine adhesive pH limits.
- Readings below 7.0 and in excess of 10.0 have been known to affect resilient flooring or adhesives, or both. Refer to adhesive manufacturers technical data sheets installation guidelines to determine adhesive pH and Moisture limits.

EXISTING FLOORS:

- Any existing natural flooring products glued directly to concrete substrates must be removed prior to installation.
- Do not install over cushioned vinyl flooring, or existing floating floor products.
- Do not install over carpet and padding.
- To prevent telegraphing a suitable embossing compound may be needed to conceal grout lines and heavily textured tiles. To prevent telegraphing a suitable embossing compound may be needed to conceal grout lines and heavily textured tiles. Please call Customer Care support @ 1-800-366-4204 for any additional underlayment recommendations.

RADIANT HEAT

- This flooring is suitable for installation over Radiant heating systems provided that the heating element is not in direct contact with the product.
- New heating systems should be running two weeks before installation to remove residual moisture from the subfloor.
- Lower temperature of heating system to 60°F for one week prior to installation.
- Gradually increase temperature in increments of 5° per day to avoid shock until the desired temperature is achieved .
- Surface temperature should not exceed or sustain 82°F.

If gluing down be sure that adhesives are compatible with radiant heat systems, and follow adhesive manufacture recommendations for proper application over radiant heat systems. Because of the wide array of systems on the market each with its own features and applications, it is recommended that the user consult with the heating provider for best practices and installation methods. It is the user's responsibility to confirm the suitability of any selected or existing radiant-heating system that will be used in conjunction with this flooring. Rugs placed over radiant heated flooring can increase the surface temperature in that area by 3°- 5°F degrees.

This flooring is not approved for Glue Down applications over QuietWarmth film Radiant heating systems.

ADDITIONAL UNDERLAYMENT PAD:

Do not use additional underlayment.

HELPFUL TOOLS (as needed):

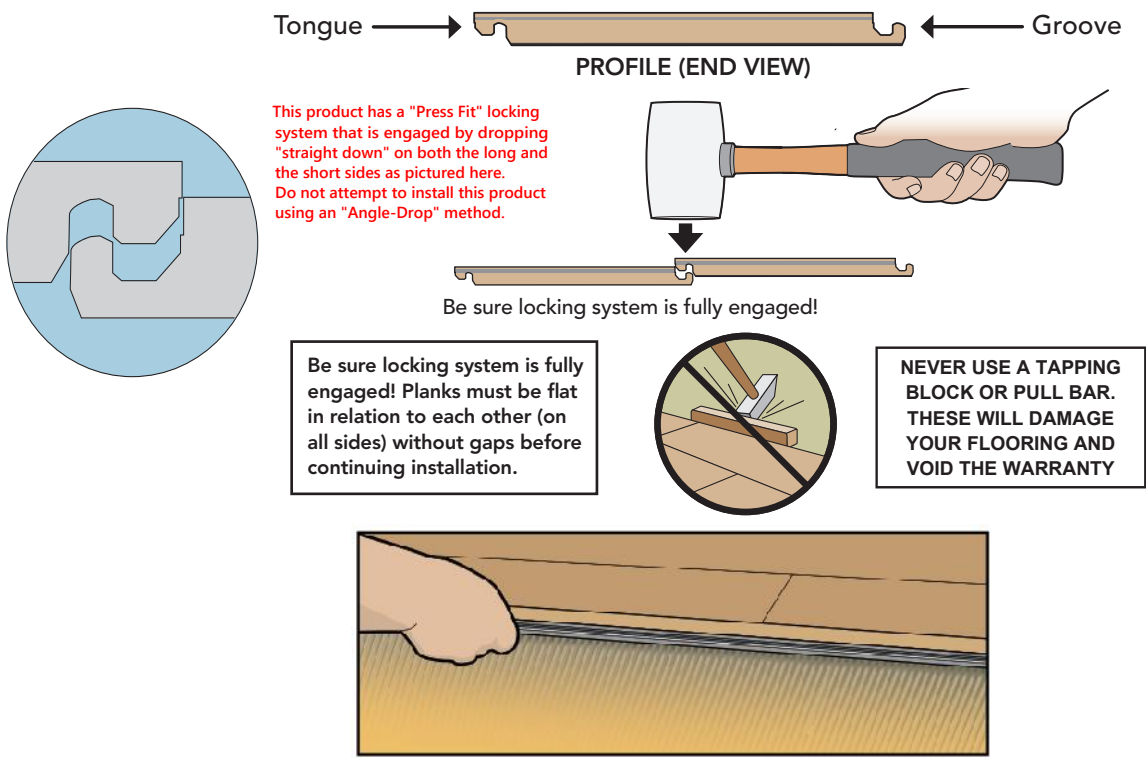
- Tape Measure • Pencil • Chalk line • 6' level • Framing Square/Metal straight edge • Screed • Utility Knife (Blades) • Miter saw
- Table saw • 60 tooth carbide tip saw blades • Jamb saw • Floor cutter • Drill • Drill bit set • Hammer • Flat Pry Bar • Broom
- Eye protection Ear protection • Knee pads • Niosh Dust Mask • Gloves • Hygrometer (to measure / monitor in-home humidity) • Moisture Meter • Color Putty • Touch up Markers

ADDITIONAL NOTES:

- When moving furniture and heavy equipment, use luan board, plywood, or other similar covering to protect the floor.
- Moisture intrusions from concrete via hydrostatic pressure, flooding, or plumbing leaks, along with high levels of alkalinity, can affect floor coverings over time. Moisture can also be trapped below the flooring and create mildew or mold.

Each project is unique and different. Installation advice or recommendations are given as a courtesy and not intended to take the place of an installer's visual inspection, expertise or informed judgment, the end user / contractor on-site is ultimately responsible for ensuring that selected products are appropriate for local conditions and / or their final use of the product.

How to Assemble Press Fit Planks



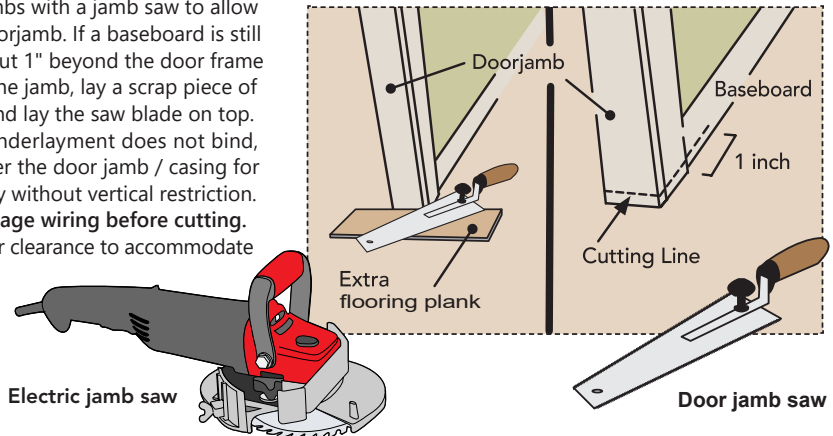
GETTING STARTED:

Remove any existing quarter round, shoe moldings, baseboards and doorway transitions. Remove existing floor covering as required, check floor flatness per details on previous page and address any issues. Check that all doors will swing open with adequate clearance over the new flooring prior to starting any work.

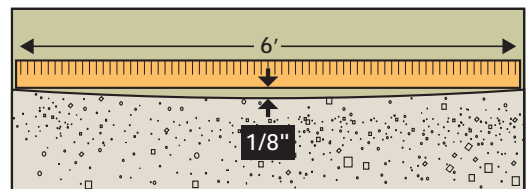
Important: Do not cut metal door frames before first confirming it does not violate local building and fire codes. Any metal doors must be addressed by a specialist to adjust.

STEP 1. LAYOUT:

Undercut all door casings and jambs with a jamb saw to allow the flooring to slide under the doorjamb. If a baseboard is still in place, extend the undercut about 1" beyond the door frame casing. To find the height to cut the jamb, lay a scrap piece of flooring next to the door frame and lay the saw blade on top. After cut, ensure the floor plus underlayment does not bind, always leave 1/16" clearance under the door jamb / casing for the floor to be able to move freely without vertical restriction. **Check for alarm or other low voltage wiring before cutting.** Ensure that appliances have proper clearance to accommodate the new flooring.



Check that subfloor is flat to within specifications per details found under "CLEAN-DRY-FLAT" in previous section. Correct any issues.



STEP 2. LAYOUT:

Determine which direction the planks will be installed. Generally, plank flooring is run parallel with the longest, straight exterior wall, or the focal point of the room. Considerations are fireplaces, doors, cabinets, transitions. For best appearance full planks are desirable at the focal point and most cases it is the longest unbroken wall in the room.

INSTALLERS! It is advisable to determine the installation layout and direction (North/South vs East/ West).

IMPORTANT: Mix materials from several cartons to ensure best overall color/shade appearance of the installed floor.

Preparation of planks for the starting row when needed:

To avoid very narrow pieces at finish wall; measure the distance between the starting wall to the finish wall, then divide this number by the width of the flooring planks. The fraction is the width of the last plank.

Eg. for a 12' room:

Start – Finish = 144"

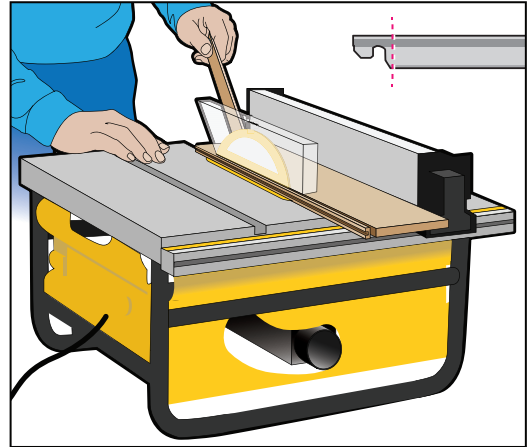
Width of Plank = 7.25"

$144 \div 7.25 = 19.86$

Nineteen full planks are required and last will be fraction x plank width

$7.25" \times 0.86 = 6.23"$

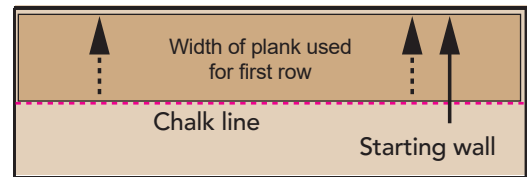
If width of last plank is less than 2.5", balance by cutting (Rip) starting row of planks accordingly.



STEP 3: ESTABLISH A WORKING LINE

In at least two places, measure out equal distance from your starting wall, 12"–18" from each corner.

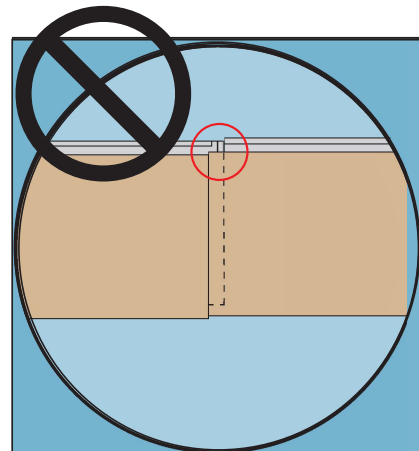
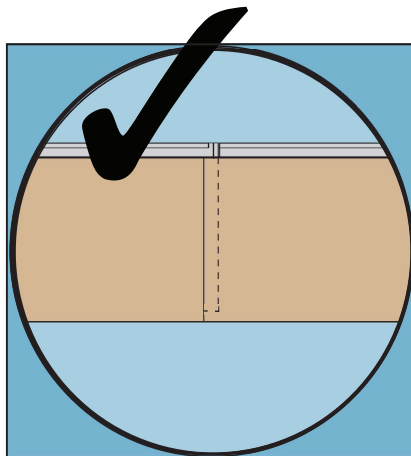
The distance from the starter wall to the line will be the width of the plank used on first row. Mark these points and snap a chalk line (as shown) parallel to your starting wall.



STEP 4. APPLYING ADHESIVE:

- Spread the adhesive evenly with the proper trowel as described in adhesive manufacturer's TDS / installation guide.
- Flooring is installed when the adhesive has flashed off sufficiently to prevent adhesive transfer to the fingertips. Dry time is influenced by substrate porosity and atmospheric conditions (i.e. temperature, humidity, and air movement).
- A laser level or string line can be used to make sure the first row is straight.
- Allow the first two rows to set up or bond before installing additional rows. This helps prevent the rows from moving as the next rows are installed.
- Flooring must be installed within the working time. Clean up any glue residue that gets on the finish right away using the adhesive manufactures recommended remover.
- Follow adhesive manufacturer TDS / installation guide.

IMPORTANT: Pressure sensitive adhesives have a "high grab" feature. Take care to place planks accurately as they will not slide into place once laid into the glue.



ROLLING / CROSS ROLLING

Use a 75 lb. roller when rolling and/or cross-rolling the flooring during installation.
Follow adhesive manufacturer TDS / installation guide.

STEP 5. STARTING ROW:

Install planks from right to left.

- A. Lay the first plank in the right-hand corner of the room with the lead edge on the chalk-line. The groove edge should be facing toward you.
- B. Align and overlap end-joint of second plank.

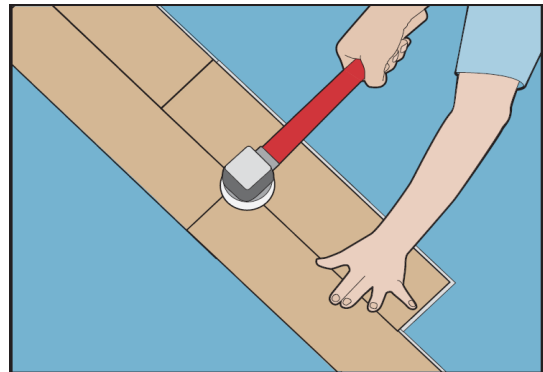
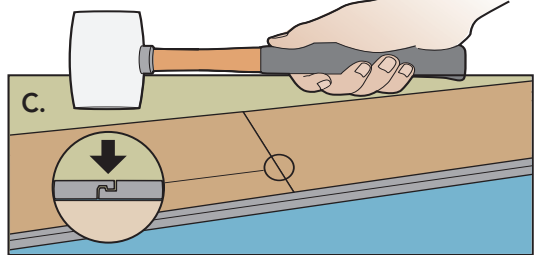
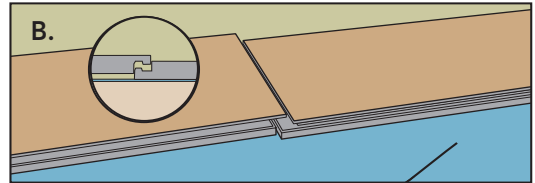
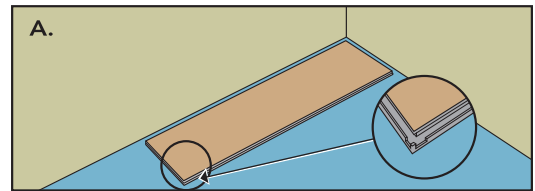
This row must be straight and planks perfectly aligned before pressing into adhesive!

- C. Hold the next plank tight to the short end of the first plank matching the corners and then press it down with the help of a hand roller, or firmly tap with a rubber mallet.
Make sure that the long sides of the planks make a straight line.
To avoid installation damage: Do not use excessive force to engage locking mechanism!

Complete first row in the same way and cut final plank of the first row to the correct length.

NOTE: See step 7 for how to cut the last plank in row.

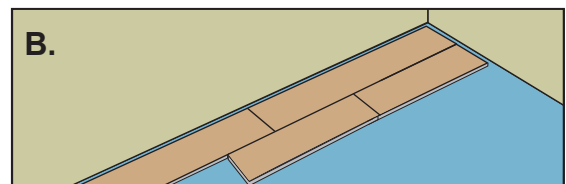
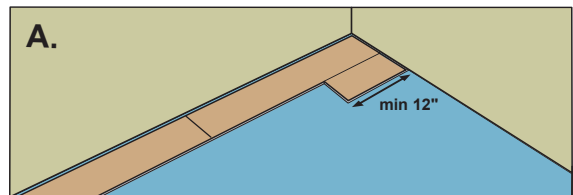
Decor edges must be flush with no high spots, run your hands over the plank seam, and tap down entire plank at all overlapping edges.



STEP 5. SECOND & CONSECUTIVE ROWS

Confirm first row is straight.

- A. Use a cut plank at least 12" in length. Place the first plank of the new row with the tongue side matching the groove side of the plank in the previous row and then press it down with the help of a hand roller, or firmly tap with a rubber mallet.
- B. Install the second plank to the left of the first plank in the same manner being sure to overlap the end joints.

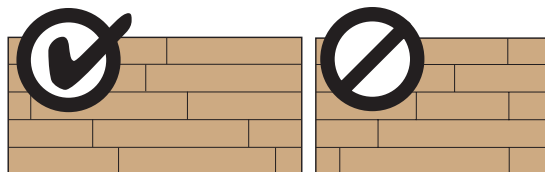


STEP 6. IMPORTANT:

When laying out planks, always stagger end joints from row to row, by at least 12" to ensure the structural integrity of your floor and a pleasing appearance.

Work from different cartons of planks to minimize clustering of patterns.

Pay close attention to avoid "stairstep" or "H-patterns" appearing in the flooring.

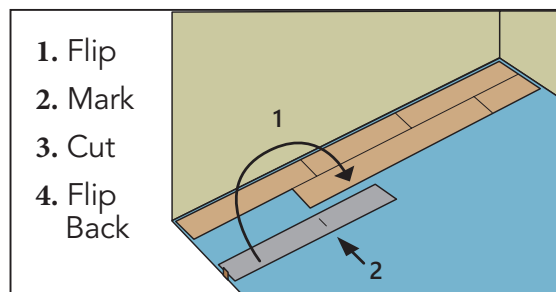


STEP 7. CUTTING END-OF-ROW BOARDS:

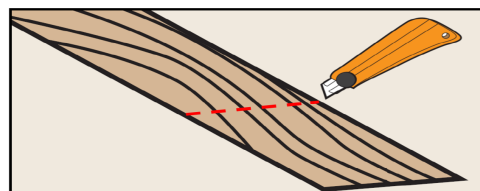
The last board in each row must be cut to fit.

Here's how:

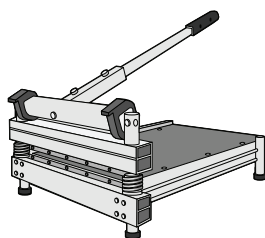
1. Flip the plank over, end-to-end.
2. Lay the flipped board next to the row of planks and mark it on the face.
3. Cut the plank at the mark.
4. Flip the plank back over and install as normal.



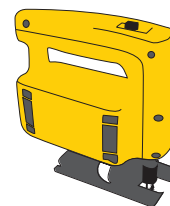
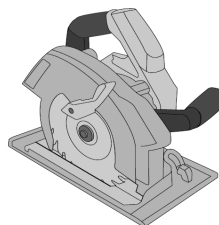
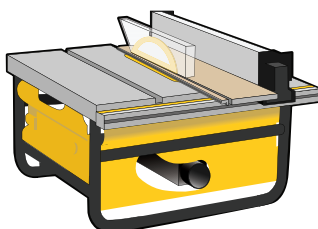
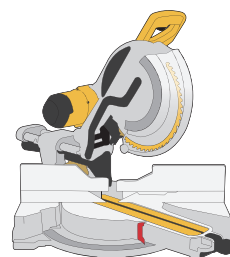
This material can be cut using a sharp utility knife & straight edge.
Just Score and Snap!



Floor cutters*, power miter, table, circular and jig saws can also be used to cut this flooring product.



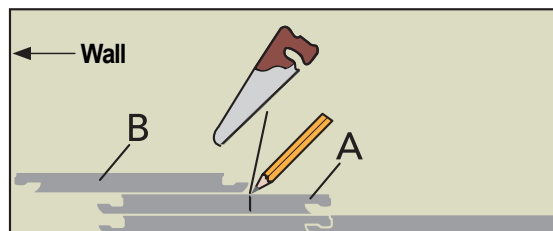
* Cutting Width: 9" Max.



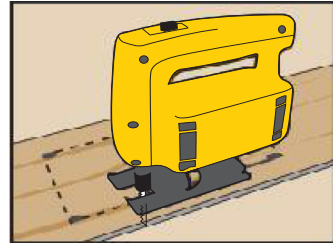
STEP 8.

The last row will need to be cut lengthwise to fit properly. Here's how to get it just right:

- A. Lay a plank of flooring right on top of the last full row in place.
- B. Then lay another plank of flooring on top of that plank, with the tongue side touching the wall.
- C. Use plank B as a straight-edge guide, and mark a line lengthwise on plank A.
- D. Cut plank A lengthwise along this line.
- E. Plank A can now be installed as the last row. We recommend you use edge glue for this last row.

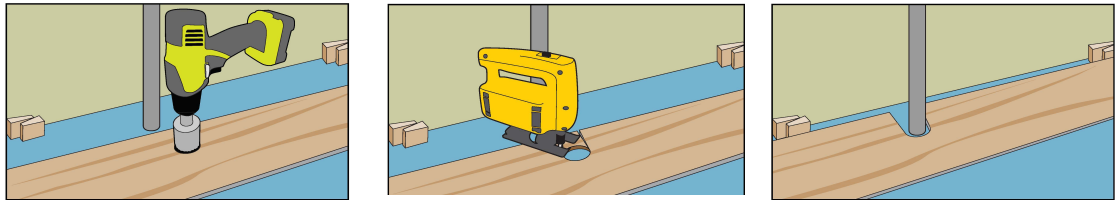


FITTING AROUND IRREGULAR SHAPED OBJECTS:
 Make a template to fit around pipes or irregular shaped objects.
 Place the pattern upon the plank and trace.
 Cut along the trace lines using a jig saw, and install plank.

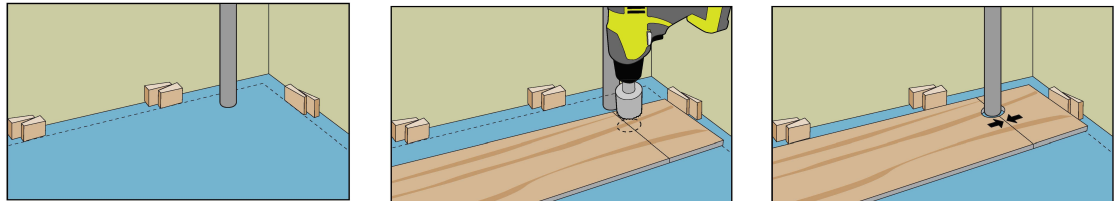


PIPES:

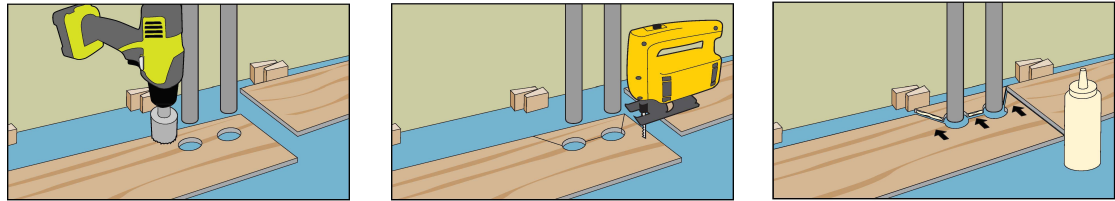
When a pipe is passing through the floor make a hole on the plank 1/8" greater than the diameter of the pipe, cut the plank with a 45° angle towards the hole. The cut-off piece edges are glued in the position again.



When there is single pipe on a wall, you can plan to have the end-joints meet at pipe, drill and install as shown.



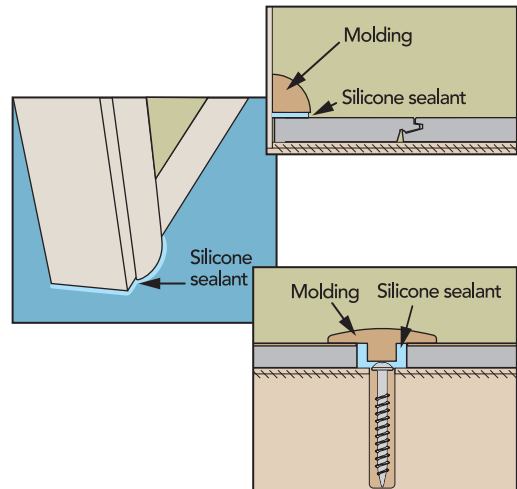
If there are multiple or larger pipes passing through the floor make hole(s) on the plank 1/8" greater than the diameter of the pipe, cut the plank with a 45° angle towards the hole. The cut-off piece edges are glued in the position again.



STEP 9.

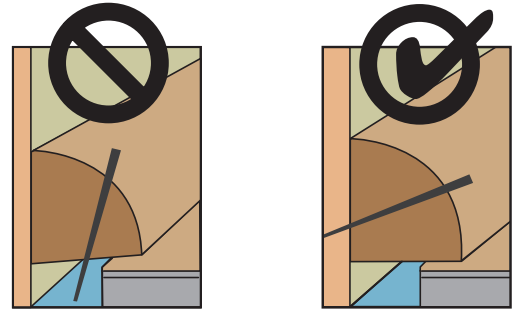
When installing in wet areas such as a bathroom, laundry room or kitchen, a watertight seal must be achieved by applying flexible 100% silicone sealant to the perimeter of the installation.

- Seal entire perimeter with a silicone sealant.
- (DO NOT use acrylic sealant).
- Apply silicone sealant at connections to doorframes or any other fixed objects.



STEP 10.

To transition from floor to vertical surfaces, use baseboards or quarter round fastened to the walls, not to the floors.



STEP 11.

In areas where your new floor meets other types of flooring, such as carpet or tile, select an appropriate molding to get a professional looking and safe transition.

U-Track is attached to the substrate to secure the End Cap, T-Molding and Reducer transitions.

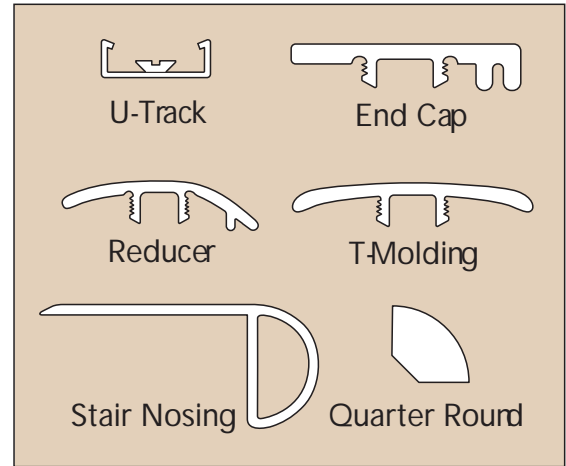
End cap moldings transition from new floor to carpet, sliding doors, raised hearths, etc.

Reducer moldings transition from new floors to hard surfaces surfaces that are lower than the floor, such as vinyl or tile.

Stair Nose moldings are used when the new floor edge is at a step-down; Example: when the flooring meets at the top of a stairway "going down".

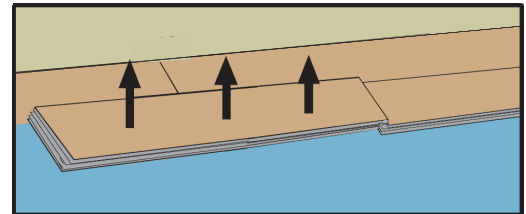
T-Moldings cover expansion spaces at doorways, and they transition from your new floor to other hard surfaces of similar height.

Quarter round moldings are used to cover expansion spaces / facilitate a neat transition between baseboards and the flooring.



Removing the floor:

If you wish to uninstall the floor, start with the last plank installed. Lift the plank first on the short side and pull up the in the long side while pressing down on the adjacent planks to separate them.

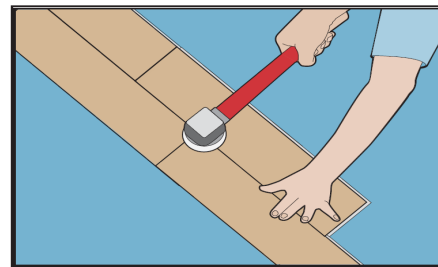


REPAIRS:

Save extra planks from the initial order in the event that installed planks become damaged and repairs are needed. This will ensure lot number and shading compatibility.

Replacing a damaged plank:

Lift the corner of plank you want to replace a couple inches: 2 sides of the planks (tongue sides) need to be lifted, and the other 2 sides (groove sides) need to be pressed down, to separate it from the adjacent planks. Put the new plank into place, by inserting the groove sides under the tongue sides of adjacent planks and then pressing down with the help of a hand roller or firmly tap down with a rubber mallet.



[HOME * WARRANTY * CARE](#)

CARE AND MAINTENANCE GUIDE

HydroCork is designed to bring beautiful wood looks to your environment to fit your flooring needs and style, while also providing a solution with easy maintenance.

Created for residential and light commercial applications, this flooring is tough but still requires care and attention to keep it looking beautiful for years to come.

For day to day cleaning we recommend the floor to be swept and/or vacuumed. The vacuum head must be a felt brush type. Do not use vacuum with beater bars / very hard bristles. This will eliminate fine particles of dirt and grit that act like sandpaper which will scratch and / or dull the surface of your flooring.

- Reduce the visibility of minor scratches using Bellawood Scratch Away.
- Minimize abrasive material and dirt by placing mats on both sides of exterior doors and by using area rugs in high-traffic areas.
- Use Bellawood Floor Cleaner to deep clean your whole floor and clean spots and soiled areas.
- DO NOT use cleaning agents containing wax, oil or polish. Leftover residue will form a dull film.
- DO NOT use steel wool or scouring pad, as they will scratch the floor.
- The use of residential steam mops on this product is allowed. Use at lowest power with a suitable soft pad, do not hold a steam mop on one spot for an extended period of time. Refer to the steam mop's manufacture instructions for proper usage.

This flooring can be dented, gouged and scratched, this can be caused by but is not limited to: dropped objects, damaged shoe heels / soles, abrasive particles, etc. The following steps will help reduce the risk of this kind of damage:

- Floor protectors should always be installed to the bottom of furniture to prevent scratching and marking.
- Minimize abrasive material and dirt by placing mats on both sides of exterior doors and by using area rugs in high-traffic areas.
- We recommend the use of a hard surface (non-studded), non-rubber chair mat to protect your floor from office chairs with casters.
- Light, rolling furniture should be outfitted with broad-surface, non-staining casters that have been engineered for hard surface floors (casters should be a minimum of 1" wide and at least 2" in diameter).
- Never slide or roll heavy furniture or appliances across the floor.
- If flooring will be exposed to rolling traffic or heavy, appliances protect the flooring with plywood or hard-board panels.
- Remove shoes that are damaged exposing sharp metal, have cleats etc. before walking on the floor.
- **Although the flooring planks are Waterproof, you should promptly remove spills using a soft cloth reducing slip hazards.**

We love our pets but occasionally accidents happen.

- Cleaning the affected area should begin immediately upon discovery.
- Use absorbent paper tissue to collect as much of the deposited material as possible and properly dispose of it. Remove any existing residue with a suitable disinfecting cleaner.
- Repeat until all residue is removed. Buff dry. Clean, using Bellawood Floor Cleaner.
- The more time that elapses before removal, the more difficult a stain will be to remove.
- Keep pets' nails trimmed.

We recommend the use of NON-RUBBER backed mats that are labeled "colorfast" by the manufacturer.

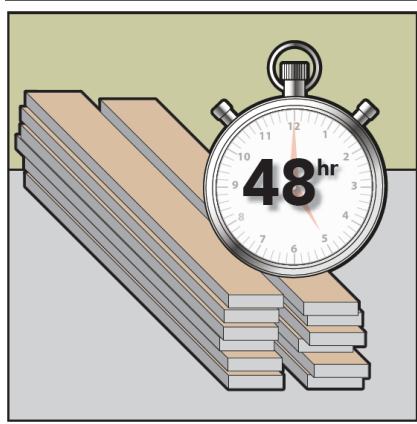

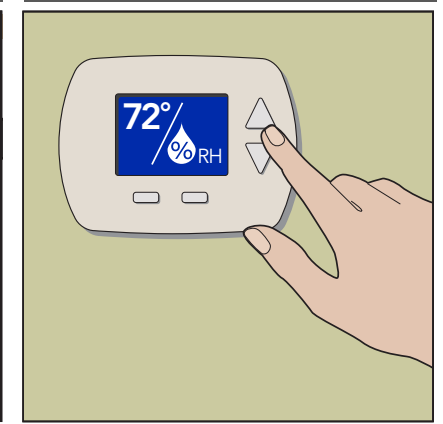
Non-staining, vinyl-backed mats or woven rugs should be used at all door entries from outside to avoid discoloration from asphalt driveways, catch dirt, grit, sand, and other debris to help sustain the flooring.

We also recommend using protective mats around sinks and tubs to catch excess water and debris.

[HOME * WARRANTY * INSTALLATION](#)

WALL * [DF9GG: ‡](#) * [GLUE DOWN](#)
[Method Click Here](#) [Method Click Here](#)

Save time & avoid frustration! Please read these entire instructions before starting your installation, and A.I.M. for success!

<p>AIM</p>	<p>AIM</p>	<p>AIM</p>
		
<p>Acclimate Completely Acclimate your flooring to interior temperature for at least 48 hours. Temp. must be between 65°F – 82°F.</p>	<p>Install Correctly Take time to review LL Flooring's installation guidelines to ensure that your installation goes well from beginning to end.</p>	<p>Maintain Environment Interior temperature should be maintained between 65°F – 82°F and 35% – 65% Relative Humidity during the life of the floor.</p>



Need Help? To obtain installation assistance or product information concerning this flooring, contact the store of original purchase, or call the LL Flooring's customer care at 800-366-4204.



WARNING! DO NOT SAND, DRY SWEEP, DRY SCRAPE, DRILL, SAW, BEADBLAST OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUTBACK" ADHESIVES OR OTHER ADHESIVES. These products may contain asbestos fibers and/or crystalline silica. Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the product to be removed is a non-asbestos containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content. See current edition of the Resilient Floor Covering Institute (RFCI) publication, "Recommended Work Practices for Removal of Resilient Floor Coverings" for detailed information and instructions on removing all resilient covering structures. For current information, go to www.rfci.com.



LEAD WARNING: Some paints and finishes in homes built before 1978 may contain lead. Exposure to excessive amounts of lead dust presents a health hazard. Prior to removing or sanding, comply with all applicable federal, state, and local laws, and reference the publication "Lead-Based Paint: Guidelines for Hazard Identification and Abatement in Public and Indian Housing" available from the United States Department of Housing and Urban Development regarding (1) appropriate methods for identifying lead-based paint and removing such paint; and (2) any licensing, certification, and training requirements for persons performing lead abatement work.



MOLD AND MILDEW WARNING: Prior to removing an existing resilient floor or when installing a new floor, if there are visible indications of mold or mildew or the presence of a strong musty odor in the installation area, the source of the problem should be identified and corrected before proceeding with the flooring work. Excessive moisture in the subfloor could promote mold, mildew, and other moisture related issues like the trapping of moisture emissions under the flooring, which may contribute to an unhealthy indoor environment. Mold has the potential to cause health problems and may produce allergens, irritants, and in some cases, potentially toxic substances. Before installing the new resilient flooring, ensure the underlayment and/or subfloor is allowed to thoroughly dry and that any residual effect of excessive moisture, mold, or structural damage has been corrected. Remediation measures may require structural repairs such as replacing the contaminated underlayment and/or subfloor, cleanup measures using appropriate protection and biocide, or hiring a professional mold and mildew remediation contractor. Consult EPA mold guidelines on EPA's website at <https://www.epa.gov/mold>



WARNING: Drilling, sawing, sanding or machining wood products can expose you to wood dust, a substance known to the State of California to cause cancer. Avoid inhaling wood dust or use a dust mask or other safeguards for personal protection. For more information go to www.P65Warnings.ca.gov/wood

This application only applies to product without an attached pad.

This document covers wall applications using laminate flooring without an attached pad only – do not install product with an attached pad.

Installation of your product should be in conformance with generally-accepted construction methods for interior wood work per American National Standard ANSI/AWI 0620-2018 – *Finish Carpentry/Installation*.

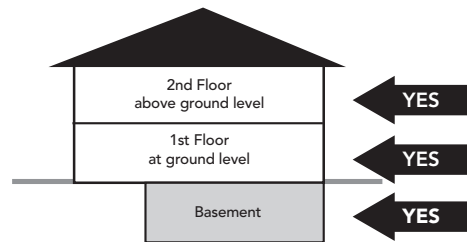
This document covers wall applications using laminate flooring without an attached padding only. Installation of your product should be in conformance with generally-accepted construction methods for interior wood work per American National Standard ANSI/AWI 0620-2018 – *Finish Carpentry/Installation*.

RECOMMENDED USE:

- Residential and light commercial interior use only.* See the product's limited warranty for details.
- Install in good lighting.
- Do not install in exterior or wet areas. Do not install in boats, or other moving vehicles.
- Do not install directly to concrete or block walls.
- Walls need to be clean flat and dry.
- For safety and best performance: glue and nailing is required for all wall applications. These guidelines are for installation over conventional wood-framing with wall studs spaced no more than 24 inches on center.

GRADE:

On, above and below grade.



JOBSITE CONDITIONS:

- The building should be enclosed with all doors and windows in place.
- **Prior to delivery and install:** All wet works (e.g. drywall taping, texture, painting, stucco etc.) should be complete and allowed to dry. The rooms should be at normal "lived-in" conditions with HVAC operational for at least one week prior to the installation when building is so equipped.
- When installing over basements and garages, ensure they are dry and well ventilated.
- Crawlspace must be dry with a minimum 18" from the bottom of the floor joist to the ground, Crawl space earth (or thin concrete slab) should be covered 100 percent by a vapor retarder of black polyethylene (minimum 6 mil) or any recommended puncture-resistant membrane, such as Class C, meeting ASTM D1745. Ventilation shall be per local building codes.
- All gutters should be in place and functioning properly. Yard grading should be sloped to run water away from the home foundation.
- The installer - not the manufacturer or retailer - is responsible for making sure that the site conditions are appropriate prior to installation of this floor.

USER / OWNER / INSTALLER RESPONSIBILITIES:

- Install in good lighting.
- Product use constitutes acceptance. Visually inspect the product and determine acceptability before installation. Claims will not be accepted regarding visual defects after flooring has been installed. If any planks are unacceptable due to color, finish, milling or any other reason, it is your responsibility to determine to use them, hide them in areas like closets, trim off the imperfection, or not install them at all.
- A reasonable amount of installed flooring (up to 25% or 100 sq. ft. whichever is less) is enough to determine acceptance of quality.
- Retain a box label and keep on file with your receipt for future reference.
- These recommendations do not pertain to the suitability of products used as interior finishes on walls with regards to fire, flame spread, smoke, or any other related flammability characteristics. Care should be taken to ensure that any installation of products on walls meets all applicable federal, state/ provincial and local codes as well as other requirements.
- If quality issues are suspected stop the installation and call your local store or CUSTOMER CARE at 800-366-4204.

ACCLIMATION:

48 hours

- Stack unopened boxes flat, and no more than eight cartons high in areas to receive new flooring.
Do not remove plastic wrapping from the packaging until ready to install the floor.

TEMPERATURE:

For best product performance, ensure the temperature in the home is between 50° and 85F° before, during, and for the life of the flooring.

RELATIVE HUMIDITY:

For best product performance, maintain Relative Humidity (RH) at 30% or above to 70% or below with a maximum fluctuation of 30%, before, during and after the installation and for the life of the flooring. Ideal interior environmental conditions will vary from region to region and jobsite to jobsite, the relative humidity figures on your project maybe higher or lower. The key is to ensure that the change in relative humidity stays within a 30% range (e.g.30% to 60% or 35% to 65% etc...) and does not fluctuate beyond 30% for sustained periods, enough to affect the flooring. Home environments where the indoor Relative Humidity levels are below 30% or above 70% are not recommended.

CUTTING ALLOWANCE and MANUFACTURER TOLERANCE (waste factor):

A 10' x 10' room has net 100 square feet (Sq. Ft.) the actual area that will have flooring, but more product is required to allow for cutting which generates unusable pieces.

Carefully measure the net square feet required, adding up multiple areas.

The table gives an approximate recommendation for cutting allowance: Quantities are always rounded up to the nearest box.

Tip: If more than half a box is not available for spares we recommend ordering an extra box.

Please note: Actual cutting waste may be lower or higher based on room layout. E.g. multiple rooms vs. one large area and "pattern" being installed.

Consider carefully before returning boxes. Keeping extra boxes is a great idea and inexpensive insurance against damage, if a repair is needed the product and batch will be the same, and you have options even if the product has been discontinued. Diagonal installations may require 5% extra material over and above the cutting and manufacturer tolerance allowance.

Net Area SqFt	Total with Cutting Allowance SqFt	% Applied
100	110	10
200	218	9
400	432	8
600	642	7
800	848	6
1000	1050	5
above 1000 SqFt add 5%		

EXPANSION SPACE:

1/2" is required top and bottom of the wall and both inside corners (sides).

RUN WIDTH AND HEIGHT:

Height - 10' maximum.

Width - No maximum when installed correctly (When installed as Vertical Wainscot Style, runs greater than 20 Lin. FT. may require "Dime Rows".

SUNLIGHT:

This flooring will likely change color with prolonged exposure to sunlight. Use of window coverings, shades, or tinting your windows, is recommended to slow this process.

CABINETS / FIXED FIXTURES:

Flooring used as Wall Cladding is not a structural material. Do not fasten cabinets or fixtures to the flooring used as decorative wall covering.

SURFACE PREPARATION:

- All substrates must be structurally sound, dry, solid and stable.
- The substrate should be clean and free of dust, dirt, oil, grease, wax, soap, existing adhesives and adhesive residues, and any other substance that may prevent, reduce adhesion or affect product performance. Sponge wash with TSP (trisodium phosphate), to remove residues of greasy grime, mildew, chalked paint or anything that might affect the adhesive bond.
- Walls must be plumb and flat to 3/16" in 6'.
- All surfaces must be smooth and free of defects, voids, deviations, imperfections and irregularities. If the wall has a heavy drywall texture, it will need to be block sanded or skim coated and primed.
- Countersink any protruding screws. Use an appropriate patching compound to cover screw heads and correct any holes, bumps, cracks, depressions, etc.

Prime or paint as needed.

Do not install over substrates that have water damage, visible water stains or leaking windows. Remove protruding nails.

HELPFUL TOOLS (as needed):

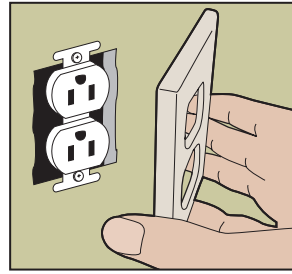
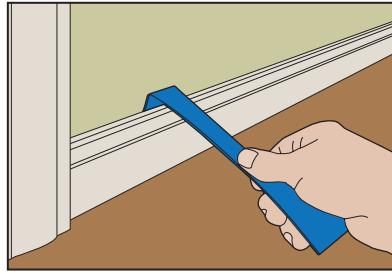
- Tape measure • Pencil • Chalk line • Stud finder • 6' level • Miter saw • Table saw • 60 tooth carbide tip saw blade • Drill + drill bits • 18 Gauge brad nailer • 1 1/2" - 1 3/4" Brad nails • Compressor with regulator • Hammer • Flat pry bar • Rubber mallet • Hygrometer (to monitor in-home humidity) • Species adjustable moisture meter (wood) • Caulk gun • Urethane construction adhesive • Step ladder • Screw drivers • Eye protection • Ear protection • Niosh dust mask • Gloves • Cloth rags • Color putty • Touch up markers • Speed square • Floor cutter

Each project is unique and different. Installation advice or recommendations are given as a courtesy and not intended to take the place of an installer's visual inspection, expertise or informed judgment, the end user / contractor on-site is ultimately responsible for ensuring that selected products are appropriate for local conditions and / or their final use of the product.

GETTING STARTED:

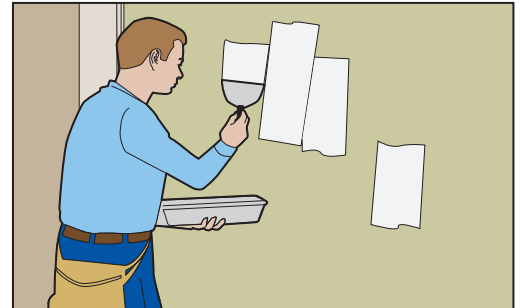
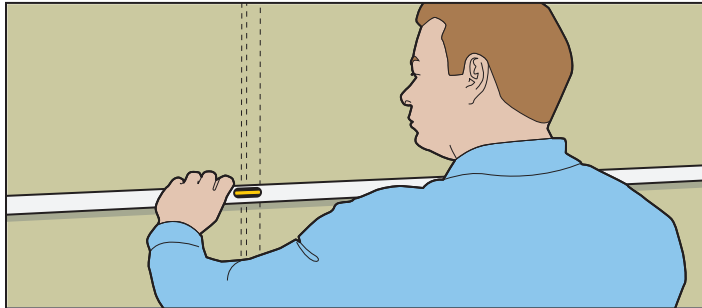
Step 1: Preparation

- Turn off power while working around wall outlets and light switches
- Remove existing wall base, trim, electrical cover plates, HVAC vent/return covers thermostats, etc., prior to installation.



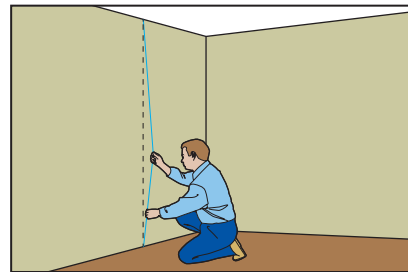
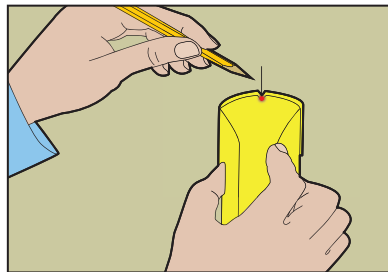
Installation over drywall

- Use a 6' level or straight edge to insure the wall is flat in both directions.
- Walls need to be flat to within 3/16" in 6'.
- Correct any unevenness using a drywall joint compound.

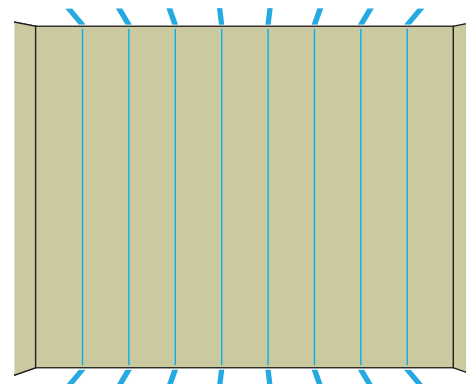
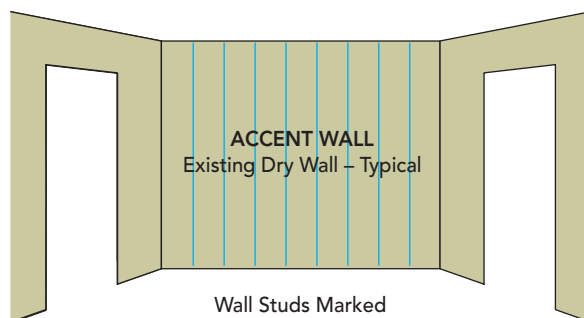


- Make repairs and remove any loose paint, wallpaper and all other contaminants that may affect adhesive bond (prime & paint repaired areas).

Step 2: Identify and Mark Stud location



- Using a stud finder to identify studs, mark top and bottom of studs using a pencil.

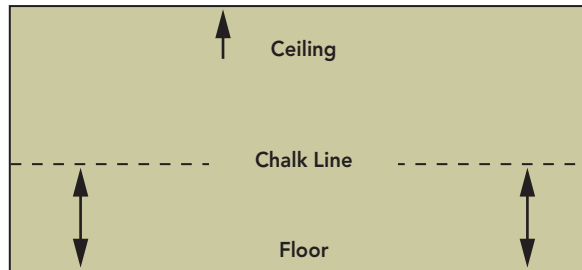


- Using a chalk line stretched between bottom and top mark, snap a line. Use painters tape at top & bottom of **each** stud on floor and ceiling to identify nailing points.

Step 3: Establishing your starting line

Establish a working line on your feature wall by **measuring up** from the floor and at equal distances (approx. 12") from each corner of the wall. The distance from the floor to the line will be the width of the first row of planks used plus the minimum 1/2" expansion space.

- Mark these points on wall and snap a chalk line (as shown) parallel to the floor.
- Check that line is level in case of uneven floors.



Preparation of planks for the starting row:

Rack Out. It is recommended that the planks are laid out on the floor prior to installing, this will give opportunity to remove unsatisfactory planks and ensure a pleasing layout prior to fixing in place.

To avoid very narrow pieces at the ceiling; measure the distance between the floor and the ceiling, then divide this number by the width of the flooring planks. The fraction is the width of the last plank. Eg. for standard 8' wall:

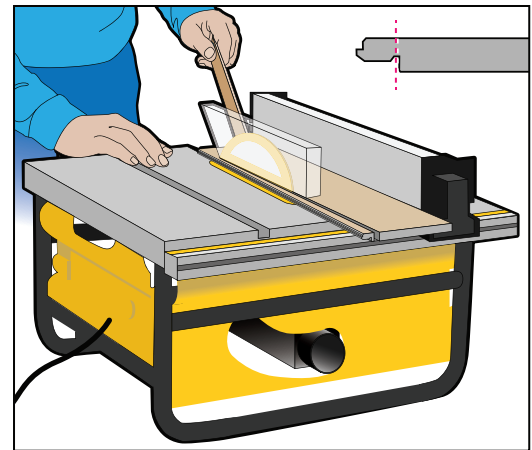
$$\text{Floor} - \text{Ceiling} = 96" - 1" \text{ (1/2" expansion } \times 2) = 95"$$

$$\text{Width of Plank} = 4"$$

$$95 \div 4 = 23.75$$

Twenty full are required and last will be fraction \times plank width
 $4" \times 0.75 = 3"$

If width of last plank is less than 2.5", balance by cutting (Rip) bottom row of planks accordingly.



Board orientation

Begin the first row with the groove facing up. **Install Left to Right.**

Step 4. FIRST ROW:

Glue and Fasten: Use 1-1/4"– 1-3/4" 18 – 20 Gauge finish nails to secure to wall studs. Nails shall penetrate a minimum of 3/4 inch into

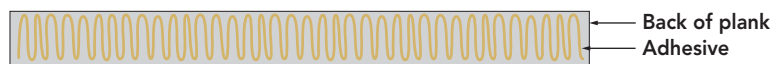
studs spaced no more than 24 inches apart. Each plank in the first row shall be fastened with two nails into a stud and bottom plate (as shown below). Each plank shall be long enough to be attached to at least two studs.

- Use wedged spacers for a 1/2" minimum expansion gap between the subflooring and the first row. Place spacers adjacent to each plank joint.

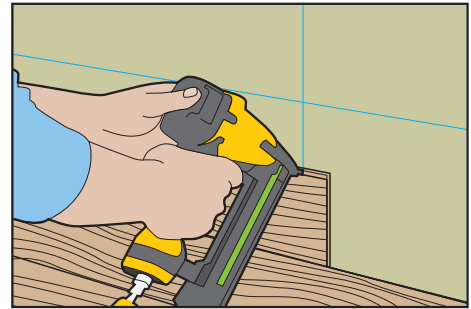
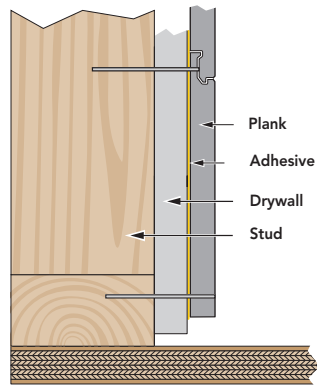
IMPORTANT: adjust to keep line perfectly straight to your starting line!

Apply a 1/4" bead of Bostik Tread-Lock adhesive in a serpentine pattern on the back of each plank as installed.

- Place the plank on top of the spacers making sure top of plank is on the chalk line, leaving a minimum 1/2" expansion space at starting end wall.
- Be sure that there is an adequate transfer of adhesive transfer to the wall using a slight back and forth motion and firmly pressing the entire plank against the wall.



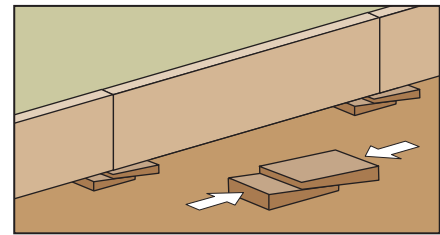
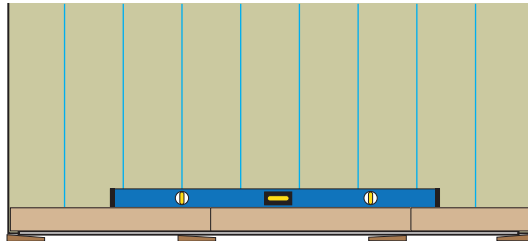
Blind Nail and face nail this row as shown



Use a level to double-check the levelness of the line between the two marks. Adjust line as needed with spacers.

Secure this first row fully using adhesive and 2' finish nails or wood screws into pre-marked wall studs, placed approximately 2" above subfloor (these will be covered by your baseboard trim).

Using a finish nailer, nail at an angle into the groove of the plank to secure the plank to the wall studs. All nails should be counter-sunk so it does not interfere with the next plank. Continue with this method until you have completed the row.



CUTTING END-OF-ROW-BOARDS:

The last board in each row must be cut to fit, while still maintaining a 1/2" expansion gap at the walls.

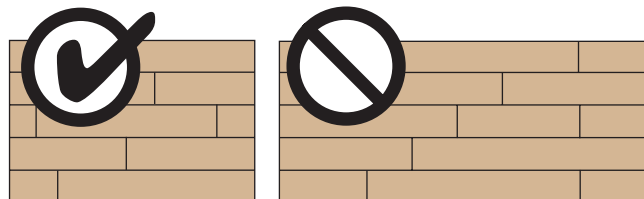
Here's how:

1. Measure distance from last installed plank to end of wall.
2. Transfer this measurement (less 1/2") to plank you will cutting and mark it on the face.
3. Cut the plank at the mark.
4. Install as normal.

Using a finish nailer, nail at an angle into the groove of the plank to secure the plank to the wall studs. All nails should be counter-sunk so it does not interfere with the next plank. Continue with this method until you have completed the row.

IMPORTANT:

When laying planks, stagger the end joints from row too row by at least 12" to ensure the structural integrity of your wall and a pleasing appearance. Pay close attention to avoid "stair step" or "H-patterns" appearing in the flooring.



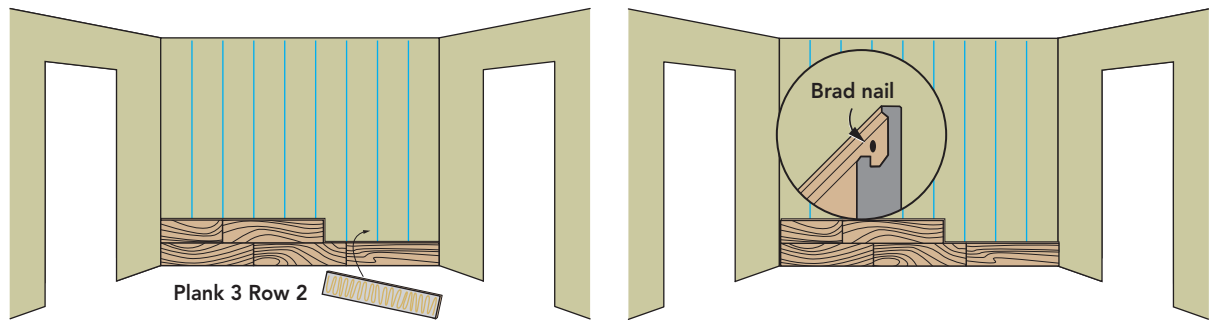
Step 5: SECOND & CONSECUTIVE ROWS:

For best results, lay out planks on the floor to select placement of each plank. This will allow the proper mix of colors, patterns, etc...

Continue using adhesive and blind nailing each plank as detailed in Step 4. Above.

- Working left to right, place the planks on top of previous row leaving a minimum 1/2" expansion space at starting and end walls. Using a finish nailer, nail at an angle into the groove of the plank to secure the plank to the wall studs. All nails should be counter-sunk so it does not interfere with the next plank. Continue with this method until you have installed the last full plank. **Fasteners should be long enough to penetrate a minimum of 3/4" into wall studs.**

Continue with this method until you have installed the last full row.

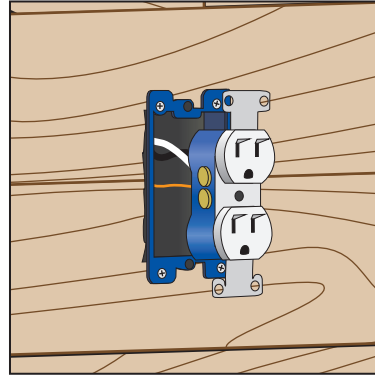


CUTTING AROUND FIXTURES:

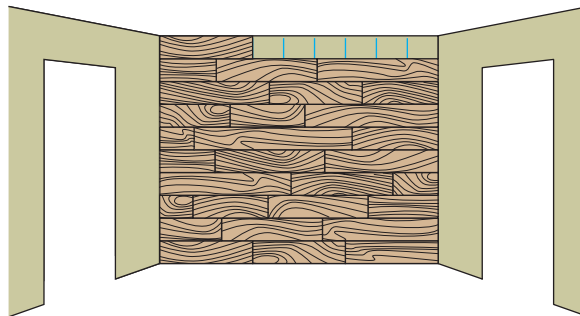
Measure and mark planks to fit around any existing outlets, switches, vents, etc.

Outlet "Box Extenders"

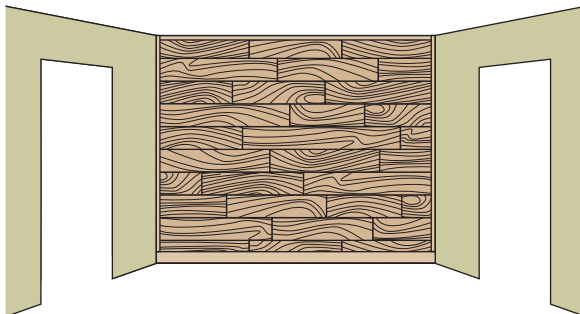
An electrical box extension shall be used as required by local building codes, to bring the switches and receptacles flush with the laminate.



Do not cover receptacle retaining screw /surrounding fixture, to allow for bringing receptacle forward to accommodate for the thickness of new planks.



- The last row will need to be cut lengthwise (ripped down) to fit properly to the ceiling, leaving a minimum 1/2" for expansion.



- Pre-drill and finish nail last row(s) as needed.

Vertical Wainscot Style

Glue and Fasten: Nails shall penetrate a minimum of 3/4 inch into bottom plate and studs. Each plank shall be fastened with two nails into the bottom plate.

- Use wedged spacers for a 1/2" minimum expansion gap between the subflooring and the first row.

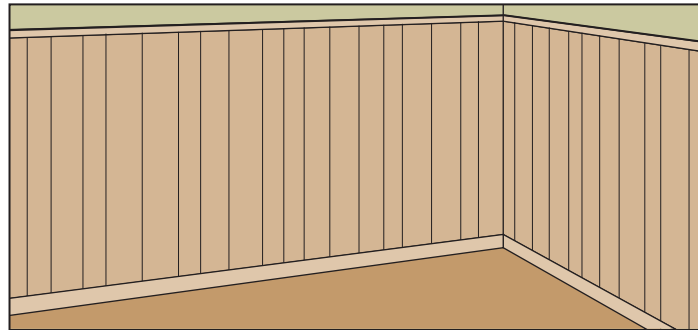
Place spacers adjacent to each plank joint.

IMPORTANT: adjust to keep line perfectly straight to your starting line!

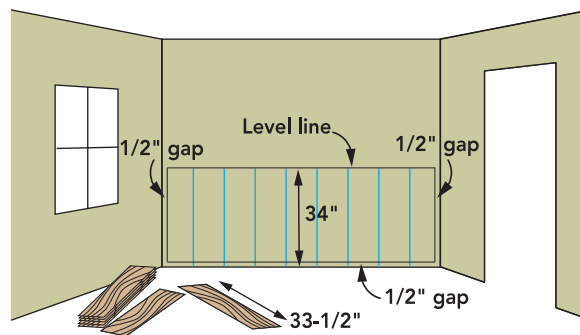
Apply a 1/4" bead of Bostik Tread-Lock adhesive in a serpentine pattern on the back of each plank as installed.

- Place the first plank vertically on top of the spacers and check it is plumb using a level, leaving a minimum 1/2" expansion space at starting end wall.
- Be sure that there is an adequate transfer of adhesive transfer to the wall using a slight back and forth motion and firmly pressing the entire plank against the wall.

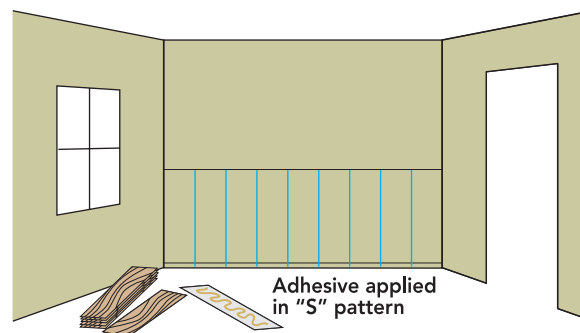
Continue with installation. When a stud is overlapped by a plank use 1-3/4" 18 Gauge finish nail to secure to wall stud. These nails should be positioned so the final trim piece covers them.



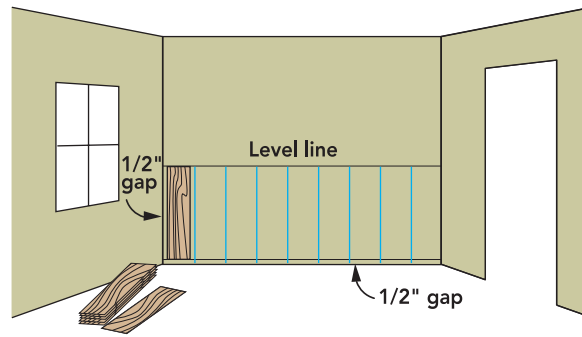
- Determine how many planks will be needed to fill the wall. For the best overall appearance, the first and last planks should be the same width.
- Measure to the appropriate height where you would like to stop the wainscot, plus 1/2" expansion space. Chalk a line between the two walls.



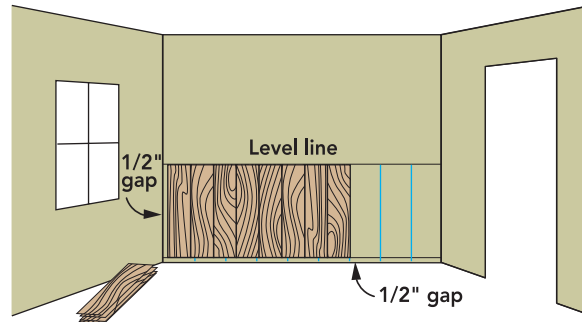
- Cut planks to fit to top chalk line.
- Apply a 1/4" bead of adhesive in a serpentine pattern on the back of the plank.



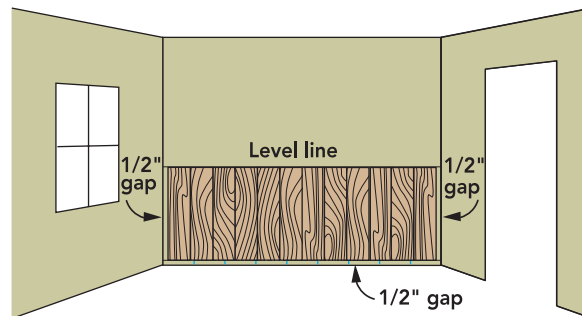
- Set plank in place with the top of the plank on the chalk line leaving a minimum 1/2" expansion space at bottom of wall.



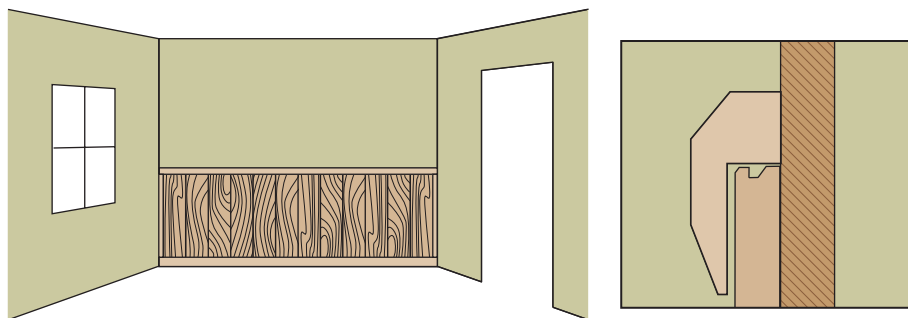
- Continue installation of the following rows using the same method as above.
- Fasten planks using adhesive and nail schedule described above.



- The last row will need to be cut lengthwise to fit properly, leaving a 1/2" for expansion.



Trim out walls using 3/4" round (avoid nailing into planks).
Install baseboard to cover gap along floor and Install threshold along top edge to finish wainscot wall.



Step 5 Finishing up — ALL METHODS:

- Install the desired moldings to hide perimeter expansion gaps.
- Install electrical switch plates— see Cutting around Fixtures page 46.
- All electrical connections should be performed by a licensed electrician.

Applications

Base Board – for hiding imperfections and adding a custom finish along any wall.

Quarter-Round - for covering the expansion left at walls and other fixed surfaces.

Reducer Moldings - used to transition to lower surface.

End Cap - for finishing the space at sliding glass doors, at bath tubs or transitioning to carpet.

CAUTIONS:

CABINETS AND FIXTURES:

Flooring is not a structural material. Do not fasten cabinets or fixtures to the flooring used as a decorative wall covering. Do not attach objects such as sconces, shelves or mount televisions directly to the wall or use nails in the wall for hanging objects. Instead, drill pilot holes and mount objects directly to wall studs with screws.

Wall Sconces (lighting):

Do not exceed the maximum recommended wattage of the light fixture.

[HOME](#)