



INSTALLATION

 **VOLUNTA**
parket

2015

INSTALLATION INSTRUCTIONS

Chevron Engineered Strip Hardwood Flooring

NOTE

Installation of Chevron style flooring requires a high degree of technical ability and should only be performed by a qualified and experienced professional hardwood installer.

PRODUCT USE

This floor may be installed:

- glued to the subfloor (recommended) or nailed
- over plywood or concrete subfloor

This floor may be installed over radiant heat if:

- the installation conforms to the conditions specified in the Special Instructions for Installation over Radiant Heat (available from your dealer)
- the floor is not made from Jatoba or Maple – these species may not be used over radiant heat

****NOTE: SPECIAL INSTRUCTIONS FOR INSTALLATION OVER RADIANT HEAT APPEAR THROUGHOUT THIS BROCHURE. THESE INSTRUCTIONS APPLY ONLY TO STYLES OF FLOORING THAT ARE SPECIFICALLY APPROVED FOR USE OVER RADIANT HEAT AND MEET THE CONDITIONS GIVEN ABOVE. INSTALLATION OF NONAPPROVED PRODUCTS, OR INSTALLATION OF APPROVED PRODUCTS IN A NONAPPROVED MANNER, OVER RADIANT HEATING SYSTEMS WILL VOID THE PRODUCT WARRANTY.***

This floor should NOT be installed in bathrooms or laundry rooms. Use in either of these applications will void the product warranty. VOLUNTA PARKET floors are for indoor residential use only.

PLEASE READ THESE INSTRUCTIONS COMPLETELY BEFORE BEGINNING THE INSTALLATION.

VOLUNTA PARKET floors must be installed in accordance with the following instructions. Failure to do so may void the product warranty.

INSTALLER / OWNER RESPONSIBILITY

As a natural product, wood contains inherent variations in color, grain and appearance and other visual imperfections. VOLUNTA PARKET floors are manufactured in accordance with accepted industry standards which permit a defect tolerance not to exceed 5%. These defects may be the result of manufacturing or naturally occurring characteristics of the material. It is recommended that a 10% cutting or grading allowance be added to the total square footage when calculating the quantity of flooring required. It is the sole and joint responsibility of the installer and owner to conduct a quality inspection of all flooring prior to installation. All pieces of flooring should be examined for quality of manufacture, finish and color. If the product quality is deemed unacceptable, it should not be installed. Flooring that has been installed will be deemed to have been inspected and accepted by the installer and owner, even if the owner is not present at the time of installation. It is the sole responsibility of the flooring installer to ensure that the job site, subfloor and installation tools and materials meet or exceed all applicable industry standards. VOLUNTA PARKET accepts no responsibility for problems arising from incorrect or improper site preparation or installation procedures. Check local building codes and bylaws before commencing installation to ensure compliance with local requirements. In the event of a discrepancy between local codes and manufacturer's guidelines, local codes should be followed.

SITE PREPARATION

Installation in newly-constructed home

Installation of wood flooring is one of the last jobs of a new home construction. Prior to installing a wood floor, ensure that:

- the building is completely enclosed with all outside doors and windows in place and securable, including a door from an attached garage to house interior - all concrete, masonry, plastering, drywall, texturing, painting and other wet work is complete and thoroughly cured and dry
- basements and crawlspaces are dry. Crawlspaces must have no standing water; crawlspaces must also have a vapor barrier and adequate ventilation in accordance with local building codes.
- gutters and downspouts are in place, directing water away from the building
- HVAC systems are fully operational, enabling heat and humidity levels to be controlled and maintained throughout the home
- subfloor is properly prepared for installation
- if installing over radiant heat, ensure that the system is in full working order and has been fully tested and running for a minimum of two weeks prior to installation. The system should be turned off for 24 hours prior to installation in the install zone.*

Installation in existing home (Renovation)

Installation in an existing home must meet the same conditions as a new home. If part of a larger remodeling project, ensure that all wet work (painting, wallpapering, texturing, etc) is completed and thoroughly dry before commencing flooring installation. In addition: - remove all furniture, artwork and other valuables from installation area - remove baseboards and moldings - undercut door casings (use a piece of the flooring as a depth gauge) - remove existing flooring, if necessary - if installing over radiant heat, it is strongly recommended that a radiant heat technician be consulted prior to installation to ensure that the heating system can be operated effectively at temperatures acceptable to the wood flooring. The system should be turned off for 24 hours prior to installation in the install zone.*

Climate control

Conditions at the job site must be maintained with the temperature between 18-24°C and humidity at 40-60% before, during and after the installation. Flooring material should not be delivered to job site until these conditions have been met and maintained for one week prior to installation if installing over plywood, and for two weeks if installing over concrete. Following installation, these conditions should be maintained at all times to ensure proper performance of the floor. See Warranty for details. When temperature and humidity have met the conditions detailed above, material may be delivered to the job site. If stacking the boxes, cross-stack to ensure good air flow between layers. Do not open the boxes; leave closed until ready to commence the installation, and then open only as needed.

Subfloor preparation

The installer and customer are jointly and solely responsible for ensuring that the subfloor is suitable for the flooring application and properly prepared for installation.

All subfloors must be clean, dry, structurally sound and flat to within 3mm in 2m. and the moisture content of both subfloor and flooring must be within allowable limits before commencing installation.

Plywood subfloors must meet local building code requirements They must be secure to the joists, free of squeaks and protruding fasteners. Subfloor moisture content must not exceed 12%, and the variance in moisture content between the subfloor and the flooring boards must not exceed 4 percentage points. Concrete subfloors must be fully cured (60 days) prior to installation. If the flooring is being installed over a radiant heating system, moisture content of the slab should not exceed 1 kg / 100 sq/m / 24 hours. The system should be turned off in the installation zone for 24 hours before installation begins and left off for the duration of the installation period. *

Color racking

Real wood flooring contains natural variations in color and grain pattern. In order to prevent color “grouping” or repetitive grain patterns in the finished floor, it is recommended that boards be racked (visually sorted) before installation to create a satisfactory and pleasing color arrangement. Immediately prior to installation, unpack 1 or 2 cartons to get a sense of the range of color variation and arrange the planks to achieve a satisfactory appearance. When racking, inspect all boards for visible manufacturing defects. Once installed, boards will be considered to have been accepted by the customer and will not be eligible for replacement. (See Warranty for details.)

Expansion space

Wood flooring will expand and contract with changes in ambient temperature and humidity. To allow for this, during installation leave a 10-15mm expansion space around the entire perimeter of the floor between the flooring and the walls. Also leave expansion space where the flooring will meet any vertical obstacle, such as stairs, pipes, door sills, tiles, cabinets etc.

NOTE: In climates with extreme variations in humidity (beyond the range of 40 to 60%), or in large installations (800+ sq.m), a larger expansion space may be required.

INSTALLATION

Ensure subfloor is suitable and properly prepared. Verify moisture content of both subfloor and flooring is within allowable limits before commencing installation. If installing over radiant heat, place approved heat sensors on the subfloor in accordance with manufacturer’s instructions.

Determine the layout for the floor and the direction the pattern will run. Typically the pattern will follow the length of the room, but in some cases it may be positioned according to fixed features such as a fireplace or a main entranceway.

Precise measurements are essential when laying a chevron pattern. Verify measurements and check row alignment frequently to ensure the pattern is being laid accurately and evenly.

When you have determined the center line for the pattern, snap a chalkline along the entire length of the installation area. Then, snap a parallel chalkline 396mm to the left of the center line and another 396mm to the right (for the 560mm length boards). These will serve as guides for the outer edges of the first two rows. You may want to snap additional lines as guides for the outer rows as you proceed with the installation.

To use as a guide to begin the installation, prepare a perfectly square piece of plywood 600mm x 600mm. Select your starting area in the middle of the room and affix the plywood guide to the subfloor in a diamond position with the top and bottom points aligned with the center line. (*see diagram 1*)

Prepare the boxes of flooring. A unique feature of chevron herringbone flooring is that the boards are milled in two different profiles, one for the left side of the pattern and one for the right. It is recommended that you physically separate the boxes, keeping the left boards on your left hand working side and the right boards on your right hand working side. This will avoid confusion when you begin installing.

Open a box of each, inspect the boards, and rack out your first section of flooring.

Use Flooring Adhesive or similar moisture-cured urethane adhesive specially formulated for wood flooring installation. For trowel selection, adhesive application and all other aspects of adhesive usage, follow the adhesive manufacturer’s instructions.

Begin installation in the area directly in front of your plywood guide. Spread adhesive over a reasonable working area.

Set the first right hand board in place with the groove side snug to the plywood guide and the butt ends aligned with the chalk guides.

Set the loose tongues in the Groove (*see diagram 2*)

Set the first left hand board in place against the plywood guide, engaging the upper butt joint with that of the right hand board. When installing boards, avoid pushing them into place across the subfloor as this may unevenly redistribute the adhesive. Instead, hold the new board above the subfloor at an angle, engage the tongue and groove joint, then press the board directly down onto the subfloor.

Ensure no glue is forced into tongue & groove joints during installation as this may affect the fit of the joint. Avoid getting adhesive on the flooring surface, and clean up any seepage or spills immediately according to adhesive manufacturer's instructions.

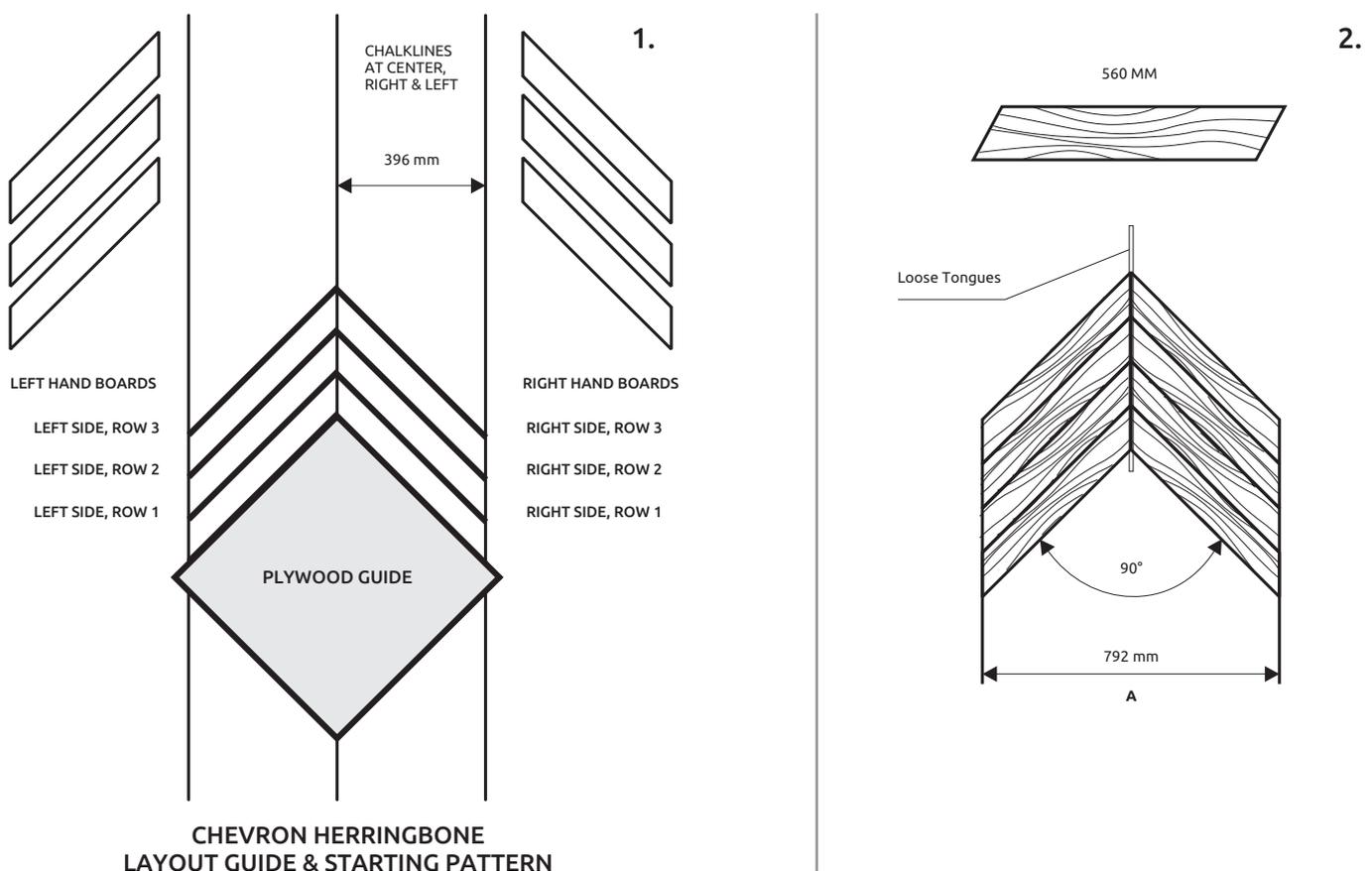
To prevent boards shifting after they have been set into place, strap them with blue mask tape. (Do not use regular masking tape as it may leave a residue of adhesive on the surface.)

Continue working forward until the first two rows are complete to the far wall. Cut final row to fit, allowing 10mm expansion space to the wall. Remove the plywood guide and work back to complete the first two rows.

Continue with the installation in whichever direction best suits the working conditions. Check measurements and row alignment frequently to ensure that your rows are staying true and square. Snap new chalk lines with every row to serve as guides.

When installation is complete, remove all the blue mask tape from the floor. (Do not leave the blue mask tape on the floor for more than 24 hours.) Install moldings and transitions as required. Ensure baseboard moldings are affixed to the wall, not the floor. Wait 24 hours before moving furniture or appliances onto floor.

If the flooring was installed over a radiant heating system, wait 24 hours after installation or until the adhesive has fully cured before turning the system back on. Bring the temperature of the system up gradually, in 2° increments. Never allow the surface temperature of the floor to exceed 28°C and avoid dramatic temperature changes; always adjust the system gradually in 2° increments. It is recommended that a dedicated thermostat be installed to allow the temperature of the radiant heating system to be accurately controlled. *





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