New Classic Collection - Herringbone

		Instruction	

Installation Instruction 7

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Responsibility of Homeowners and Installers:

- It is a high recommendation for all installers to read through installation instructions thoroughly before commencing the job.
- · Visit <u>www.idealwood.ca</u> to ensure an updated version of installation instruction is obtained.
- All IDEALWOOD Flooring products are made from natural wood; each board will carry a unique characteristic of wood grain appearance, knots, and variation in color tone. All showroom sample is intended as a color reference only. It is too small to accurately reproduce all-natural wood characteristics occurring on a large floor area.
- A visual inspection of different boards by opening several boxes of the product with homeowners or project management is highly recommended before commencing installation.
- Do not proceed to installation if the product is not satisfying with colors or quality. Once a product has been installed, it is considered products are deemed to be accepted by customers.
- All IDEALWOOD Flooring products are manufactured to meet practical industry standards with a maximum of 5% of defects as milling tolerance.
- It is the responsibility of the installer or customer to ensure all job site condition requirements are reached prior to commencing installation. Manufacture takes no responsibility for defects causing by improper job site preparation and installation procedures.

Do not install any defect or unsatisfactory planks.

IDEALWOOD Flooring accepts no responsibility for any cost related to the installation of an unsatisfactory product.

PART 1 PRE-INSTALLATION

A: INSTALLATION TOOLS

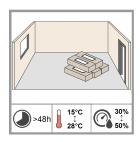








B: STORAGE



Delivery

- Please do not deliver flooring to the job site if the job site's climate conditions have not met, as described in section E.
- o During transportation, all packages must be well protected from the weather.

Storage before installation

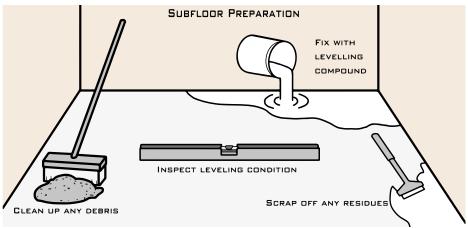
- The panels should be stored unopened in the middle of the room at a room temperature of 15°C (59°F)-28°C (82.4°F) and relative humidity of 30%-50% for min. 48 hours.
- Never store boxes on their sides.

C: APPLICATION



- IDEALWOOD Flooring can be installed: below, on, or above ground level.
- Hardwood flooring consists predominantly of wood. Continual and repetitive exposure to dampness causes irreparable damage to the hardwood flooring.
- IDEALWOOD Flooring should **never be installed in the bathrooms and laundry rooms**.
- IDEALWOOD Flooring is intended for **indoor use** as flooring cover only.

D: SUBFLOOR CONDITIONS



Evenness

The subfloor must be fixed to an even condition as follow:

- o Maximum +/- 0.1" per 6.6' (2.5mm per 2m) radius span.
- o Maximum +/- 3/16" per 10' (4.7mm per 3m) radius span.
- o Sand down any irregularities, fill any uneven spot with NWFA approved leveling compound.
- o No crack or deflection is allowed.

Existing subfloors

Old fixed carpets, Needle felt carpets are unhygienic and too soft for installing hardwood flooring over and must be removed. An installation on PVC and linoleum-coating can only be done if the existing flooring is glued down and has no loose areas and if there is no underfloor heating.





Cleanness

The subfloor has to be clean before installing the hardwood flooring and free of any debris or any microorganisms.

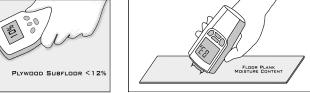
Installation on concrete

The concrete subfloor must be tested for moisture content using the CM (Calcium Carbide Method) test method and must return a reading of no more than 2.5% as moisture content of the substrate.

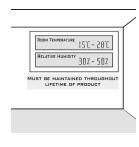


Installation on wood subfloors

- Plywood subfloor moisture content must not exceed 12%, and the variance in moisture content between the subfloor and the flooring panels must not exceed 3.5%.
- All squeaking noise coming from the substrate should be fixed before the installation of new flooring.



E: TEMPERATURE AND MOISTURE CONDITIONS

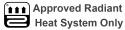


- It is also important that the flooring material is in the same temperature range as the installation site. Do not deliver flooring to job sites if climate conditions have not been met, as described below.
- Allow the flooring to acclimate at the climate-controlled job site for a minimum of 48 hours when the desire climate range has met.
- The room temperature should be 15°C (59°F)-28°C (82.4°F), with relative humidity between 30%-50%. These environmental conditions must be maintained for the life of the product. (before, during, and after the installation)



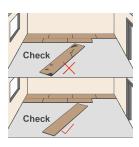
F: INSTALLATION OVER A RADIANT HEAT SYSTEM





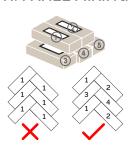
- IDEALWOOD Flooring can be installed over the hydronic radiant heat system only. All hydronic pipes must be covered and isolated with minimum 3/8"(9.5mm) thick concrete or plywood.
- Ensure that the system is in full working order and has been fully tested and running for a minimum of two weeks before installation. The system should be turned off for 24 hours prior to installation in the install zone.
- It is strongly recommended to attach heat sensors onto the subfloor every 200sf of areas.
- Never allowed the surface temperature of flooring go above 28°C (82°F)
- Always adjust the temperature control at 4°C to 6°C gradually increments.
 Any dramatic temperature will cause damage to flooring.
- **Ideal Classic Collection with Sapelle and Hickory species are not approved for radiant heat direct glue-down installation.

G: PRODUCTS INSPECTION



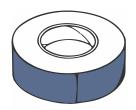
When racking, inspect all boards for visible manufacturing defects. The dealer may replace boards with manufacturing defects in excess of industry standards (5% of total quantity) under the terms of the product warranty. Once installed, boards will be considered to have been accepted by the homeowner; even the homeowner is not present during installation. Supplier accepts no responsibility for problems arising from this incorrect handling.

H: PANEL MIXING



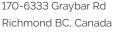
- Prepare at least four packs of flooring. Mix panels from different packs during installation.
- We recommend the alternate fitting of the panels from four different packs at the same time.
- Keep alternating the panels across the entire floor area. This guarantees
 the best possible appearance of your IDEALWOOD Flooring product.

I: USE OF MASKING TAPES



Only 3M scotch blue tape is allowed for all types of installation methods.

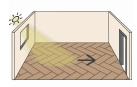






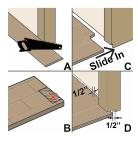


J: LAYING DIRECTION



- The recommended installation direction is lengthwise to the main light source.
- The joints are more visible crosswise than lengthwise to the light source.
- · This is only a recommendation because there are also other influences.
- The laying direction must be perpendicular to the subfloor joists.

K: INSTALLATION TOWARDS DOOR FRAMES



Lay a panel next to the door frame (with the patterned side facing downwards) Cut into the door frame with the straight backsaw. Then slide the panel under the frame with the patterned side upwards. Don't forget to allow for freedom of movement here to 1/2" (12 mm).







**Only professional hardwood flooring installers should be performing herringbone pattern installations.

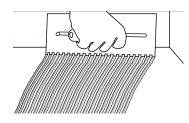
PART 2 INSTALLATION - GLUE-DOWN INSTALLATION

A: GLUE REQUIREMENT:

- · Urethane or polymer based adhesive with moisture control. Recommended brand: Bostik.
 - Choose the right type of adhesive under the Bostik brand according to different job site conditions.
 - Ensure proper adhesive removal agent is ready. Only Bostik's Ultimate™ Adhesive Remover is allowed in compliance with Bostik urethane-based adhesive products. Please follow Bostik's guidelines for proper handling. (www.bostik.com)

B: TAPES USED DURING INSTALLATION:

• Only 3M Scotch-Blue tape is allowed for security tightening of joints during installation, and all tapes must be removed within 24 hours.



TROWEL USED:

- Use a metal trowel only.
- Use trowel styles recommended by adhesive manufacturers only.
- Replace any trowel that has worn teeth.

C: INSTALLATION OVER RADIANT HEAT:

- Ideal Classic collection with Sapelle and Hickory species are not approved for radiant heat direct glue-down installation.
- Make sure the flooring product is approved for direct glue down over a radiant heat system.
- Refer to the temperature control paragraph from the pre-installation section.
- Radiant heat systems must be tested appropriately and operating for a minimum of two weeks before installation.
- Radiant heat system must be completely turn off at the installation zone for a minimum of 24 hours before installation.
- After installation, wait for 24 hours to turn on the radiant heat system.
- A dramatic change of temperature on the floor surface after installation must be avoided. A maximum of 4°C (39.2° F) increments per 10 hours.

**Any damage caused by the radiant heat system will not be covered by the product warranty.





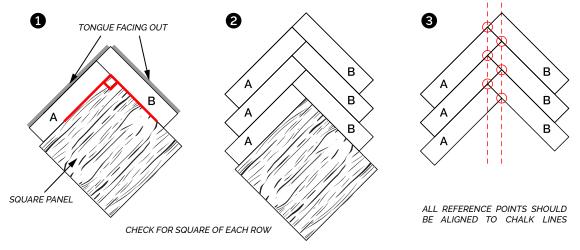




D: STARTING YOUR INSTALLATION:

I. START BY SETTING UP A HERRINGBONE TEMPLATE:

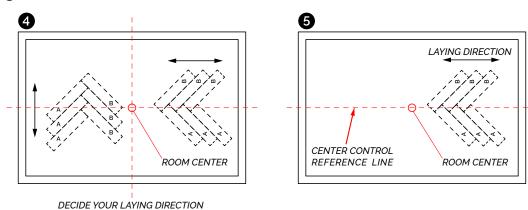
- Apply Deccobond T&G adhesive to tongue/groove of six planks, and put them together with tongues towards to the direction as shown. (diagram 1)
- One row at a time (one piece of A plank, one piece of B plank), find letter A or B from the backing of each plank. (diagram 2)
- · Check for the square of each row/pattern by using a square cut wood panel/right angle ruler.
- Once finished, secure each plank's edge with 3M Scotch Blue Tape.
- Double-check alignments with a chalk line. (diagram 3)



II. LOCATING THE CENTER OF YOUR ROOM:

(This will ensure a synchronized/balanced overall appearance. If there is a particular preference or limitation due to the layout of the interior, the starting point could be reconsidered.)

- Draw a chalk line through the middle of the room's length, another chalk line in the middle of the room's width to locate the center of the room. (diagram 4)
- Laying direction needs to be determined at this step. (diagram 4)
- As a general practice, instructions here will follow the longest wall as laying direction; the chalk line parallel to the longest wall will serve as the center control reference line as installation starts. (diagram 5)





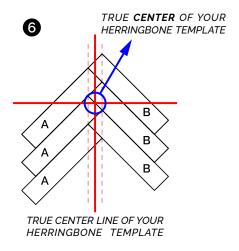






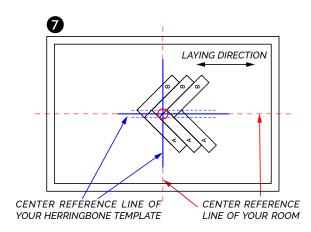
III. LOCATING THE TRUE CENTER OF YOUR HERRINGBONE TEMPLATE:

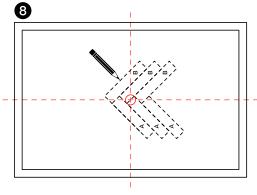
- Draw a chalk line onto the center between both alignment reference lines on your herringbone template. The solid red line is the true centerline of your herringbone template. (diagram 6)
- Draw another chalk line perpendicular to your true centerline. The true center of your herringbone template is now located.



IV. POSITIONING HERRINGBONE TEMPLATE TO ALIGN WITH ROOM CENTER:

- Place template to center of the room, adjust the position until center reference chalk lines on the template align to center reference lines of the room. (diagram 7)
- Use a pencil to outline the herringbone's template onto the ground. (diagram 8)



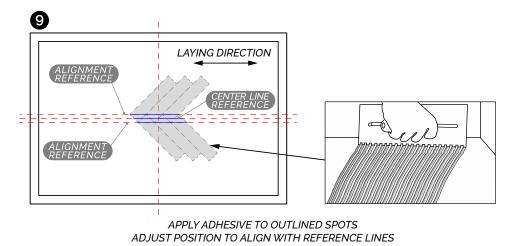


OUTLINE HERRINGBONE TEMPLATE ONTO THE GROUND



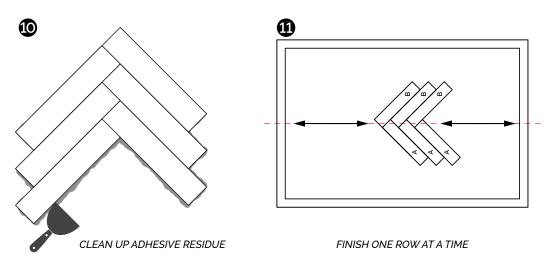


- Apply adhesive to the herringbone template's outline spots. (diagram 9)
- · Avoid applying excessive adhesive.
- Place herringbone template back to the outline spot. Gently adjust the position until reference chalk lines of template aligned to its associated chalk lines on the ground.
- · Check template alignment by repeating steps in diagram 3.
- · Clean up any excess adhesive, and wait until the next day for the adhesive to set.



V. CONTINUING AFTER THE STARTING SETUP:

- Scrape and clean up any excessive adhesive along all edges of your template, and no adhesive residue should be blocking new planks from joining into the existing template. (diagram 10)
- Continue by following the direction of your template to finish off the first row of the room. (diagram
 11)







- When the first row of floor panels in the room has been laid, it will guide the remaining rows on the left and right sides.
- As installation continues, there are several important tech points listed below that need to be followed to ensure a good result.
- Apply adhesive only onto the installation zone that you are going to lay planks within the next 15 minutes
- Periodically check alignment, extend your alignment reference chalk lines as needed.
- Follow the expansion gap principle throughout the entire installation zone.
- Install one row at a time.
- Clean up any adhesive left on the surface ASAP. Use proper solvent recommended by adhesive manufacture only.
- Remove all tape within 24 hours and wait for a minimum of 24 hours before regular traffic is allowed. If installation with a radiant heat system, do not turn on the heat until adhesive gets fully cured (24 hours wait time is recommended).
- · Wait for a minimum of 24 hours before moving furniture onto the installation zone.







PART 2 INSTALLATION - FLOATING INSTALLATION

A: UNDERLAYMENT REQUIREMENT:

- The recommended underlay for this flooring material is **Good Neighbour** Underlayment or underlayment products with equivalent or higher specs for all floating installations.
- The vapor barrier is required for installations over concrete subfloors. (Minimum 6 mil polyethylene film)
- Additional layer of vapor barrier may be used when performing a floating installations below ground level.

B: GLUE REQUIREMENTS:



 Deccobond 18 T&G adhesive, or products recommended as per NWFA guidelines.

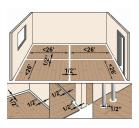
C: TAPES USED DURING INSTALLATION:

- Only 3M Scotch-Blue tape is allowed for secure tightening of joints during installation, and all tape must be removed within 24 hours.
- Slowly remove tape at a 35° 45° angle.

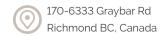
D: INSTALLATION OVER RADIANT HEAT:

- · A dramatic change of temperature on the floor surface after installation must be avoided.
- · Refer to the temperature control paragraph from the pre-installation section.
- Turn off the heating system and wait for 24 hours to turn on after installation.

E: SPACE FOR EXPANSION & MAXIMUM SIZE WITHOUT EXPANSION GAP:



- Engineered Hardwood flooring will expand and contract with changes in temperature and humidity. To allow for this, during installation, leaving a 1/2" (12mm) expansion space around the entire perimeter of the floor between the flooring and the walls, and all vertical/fixed objects (e.g., door structures, fireplace). Undercutting vertical structures might be an option by ensuring no damage to the structural function of the objects.
- No fixing with the subfloor.
 - Under no circumstances must the panels be glued, nailed, or otherwise fixed to the subfloor.
- Do not exceed 26 linear ft radius span without an expansion gap and transition molding.
- All rooms need to be isolated from the hallway or adjacent rooms with a T cap transition to allow for expansion space.
- Do not place or fix any heavy object, such as kitchen island, fireplace, cabinets to floating installed flooring area.



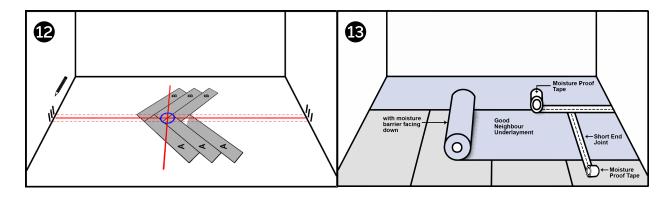






F: STARTING YOUR INSTALLATION:

- Follow the same procedure as the glue-down installation for the starting template setup.
- Due to underlayment possibly moving during installation, use a different way to mark your center position and reference lines.
- Instead of drawing centerlines and alignment reference lines onto the ground, the floating installation makes reference marks onto the walls. Laser lines need to be used to check for alignment instead of regular chalk lines. (diagram 12)



Laying of underlayment (underlayment types with moisture barrier film attached)

- Roll out the underlayment in a perpendicular direction to the flooring, with the vapor barrier side facing downward, lay the next row in the same direction as the first row, overlapping the second row on top of the (vapor barrier overlapping edge) of the first row. Peel off the adhesive strip on the edge of 2nd row, and attach it to the poly film portion of the 1st row. Moreover, make sure the underlayment is tightly joint together, but without overlapping each other. At the junction of the short sides, moisture-proof masking tape needs to be used. (diagram 13)
- Install planks with the floating method by applying Deccobond T&G adhesive onto grooves of each plank.
- As installation continues, there are several important tech points listed below that need to be followed to achieve a good result.
- Periodically check alignment, extend your alignment reference chalk lines as needed.
- Follow the expansion gap principle throughout the entire installation zone.
- Install one row at a time.
- Clean up any adhesive being left on the surface ASAP. Use proper solvent recommended by adhesive manufacture only.
- Remove all tape within 24 hours and wait for a minimum of 24 hours before regular traffic is allowed.
 If installation with a radiant heat system, do not turn on the heat until adhesive gets fully cured (24 hours wait time is recommended).
- Wait for a minimum of 24 hours before moving furniture onto the installation zone.









PART 2 INSTALLATION - NAIL-DOWN INSTALLATION

(UNDERSIDE GLUE ASSISTANCE REQUIRED)

Tools and Fasteners requirement:

		Tools	and Fasteners (For I	Major Installation)			
Pneumatic	Fasteners		Application		Nailing	Products	
Tools	Cleat	Staple			Schedule		
Pneumatic Blind Nailer	16 Gauge Length: 2"	15 1/2" gauge Length: 2"	Refer to the detailed installation instruction paragraph.		4" - 5"	Urban Genius	
Pneumatic Blind Nailer	18 Gauge Length: 1-3/4"	Not recom- mended			4" - 5"	Ideal Texture Ideal Classic New Classic	
Tools and Fasteners (For Starting and Finishing Rows Only)							
Pneumatic	Fasteners		Application	Purpose	Nailing	Products	
Tools	Brad Nails	Blind Nails	Application	i uipose	Schedule	rioducts	
Pneumatic Brad Nailer	18 Gauge Length: 1-1/2"	N/A	For top nailing of the first and the last raw only.	Giving security strength when aligning the starting row's set up.	12"-14"	Urban Genius	
Pneumatic Finish Nailer	N/A	16 Gauge Length: 1-3/4"	Nailing at a 45° angle to the tongue at starting and finishing few rows, when space allowed, use blind nailer (cleat/staple) instead.	same as above	4"-5"	Ideal Texture Ideal Classic New Classic	

^{**}As wood flooring will expand and move as temperature and humidity changes. Minor noise after installation with the nail-down method is acceptable, according to NWFA.

Plywood subfloor required:

5/8"(15.875mm) thick plywood or 7/10"(17.78mm) OSB construction subfloor is required for staple installation.

Expansion Space:

1/2" (12mm) expansion space is required throughout the whole perimeter of installation areas.

Underlayment required:

As underside glue assistance is required, liquid type moisture sealant is used instead of underlayment.









Glue assistance required:

Use a water-free hardwood flooring adhesive (e.g., Bostik Pro MSP Sausage); apply adhesive on the plank's back, not to the subfloor.



Obtaining the suitable compressor output pressure:

Set compressor from 80psi and adjust the pressure until fasteners are properly set to the tongue of boards. Failure of this step may cause squeaks noise. Refer to notes below for a proper way of securing fasteners.

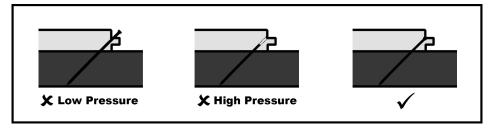
Installation over radiant heat system:

Nail down installation **IS NOT APPROVED** over any radiant heat system.

Proper penetration of the staples:

Staples should be 45 degrees penetrating through the tongue and flush with the nail pocket.

*** Failure of any of the above precautions will void the warranty***



Starting your installation:

- ** The laying direction must be perpendicular to the subfloor joints.
- Roll out liquid type moisture sealant onto the subfloor, and wait until sealant is completely set.
- Follow the same procedure as the glue-down installation for the starting template setup.
- Make sure the alignment reference lines are properly marked on the template and subfloor.
- Once template and alignment are set, install remaining areas with nail down plus glue assistance method.
- When getting close to the walls or any vertical object, top nail plank's groove side with pneumatic brad nailer every 12"-14", and maximum 2" away from each end. Then use a pneumatic blind nailer to snap nails at a 45 degrees angle to the planks' tongue.
- Maintain the nailing schedule and glue assistance pattern at all times.
- Follow the expansion gap principle throughout the entire installation zone.
- Install one row at a time.
- Remove all tape within 24 hours and wait for a minimum of 24 hours before regular traffic is allowed. If installation with a radiant heat system, do not turn on the heat until adhesive gets fully cured (24 hours wait time is recommended).
- Wait for a minimum of 24 hours before moving furniture onto the installation zone.









PART 3 CARE AND MAINTENANCE

A: CLEANING

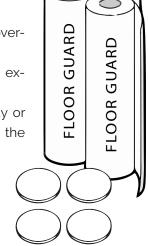
- Under no circumstances should the floor be cleaned with a wet cloth or mop or be soaked with liquid. Do not use steam cleaners.
- Sweep the floor regularly to keep it free of dust, grit, and other abrasive materials.
- Sweep the floor with a damp cloth towel along with the recommended cleaner. (e.g., Bona Hardwood Flooring Cleaner) Apply cleaner to the towel, not directly on the floor.
- Hardened glue-residue can be removed with acetone or a special glue solvent, or usual household cleaners may be used, please avoid scouring agents, wax or polish.
- For regular cleaning and preservation, we recommend Bona Hardwood Flooring Cleaner. Larger soiling and persistent stains like color, glue, nail varnish, or oil can easily be removed using acetone or any other alcohol-containing solvents. (Must be approved to be used for hardwood flooring according to NWFA guidelines.)
- If a vacuum is used, make sure a soft texture nozzle is attached to avoid scratching marks being left on the surface.

B: PROTECTION

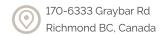
- Use a heavy-duty floor protection membrane (e.g., Floor Guard heavy-duty floor protection) to cover all areas.
- Avoid taping protection membrane directly to the surface of the floor by overlapping each run of the membrane while taping different run together.
- Tape the end run of the membrane along baseboard or shoe base with extreme low adhesive tape.
- An extra layer of plywood, MDF board, might be used along the hallway or high traffic areas where furniture and appliances will be transferred into the premises.
- · Putting felt pads on all furniture's legs are highly recommended.
- Keep in mind, the use of area rugs will create an uneven color variation due to the uneven exposure to sunlight.
- Rollable furniture should have soft rubber rollers (type W) in accordance with DIN 12529.
- Use a protective mat to protect areas around office chairs.

C: MAINTENANCE

- At all times, a temperature ranges of 15°C(59°F) to 28°C(82.4°F), and a humidity range of 30% to 50% must be maintained.
- Do not drag heavy objects or furniture across the floor. When moving appliances or furniture, lay a protective item such as cardboard and walk the heavy item across carefully.
- Place dirt absorbing mats at exterior doors to reduce dirt and sand comes on the floor.



Felt Pads





NANCE INSTRUCTION AND THE WARRANTY GUIDELINE. MAKE NOTES ON THE FOLLOW ING PAGE, IF NECESSARY.





PART 4 PRODUCT WARRANTY

Urban Genius	Ideal Texture • Ideal Classic • New Classic		
A. 35 years of limited residential wear warranty	A. 25 years of limited residential wear warranty		
IDEALWOOD Flooring warrants the top coat-	IDEALWOOD Flooring warrants the top coat-		
ing (UV lacquer finish) from the original manu-	ing (UV lacquer finish) from the original manu-		
facturer, will not wear through in a residential	facturer, will not wear through in a residential		
application under normal residential traffic	application under normal residential traffic		
and usage, for 35 years from purchasing date.	and usage, for 25 years from purchasing date.		

B: 3 YEARS LIMITED LIGHT COMMERCIAL WEAR WARRANTY

- IDEALWOOD Flooring warrants the products' top coating (UV lacquer finish) will not wear through in the light commercial application. (professional office, clinic reception area)
- All IDEALWOOD Flooring products give no warranty for any use in any high humidity commercial premises, such as kitchen, bathrooms.
- Any high traffic commercial such as food court, supermarket, industrial zone, or entrance, the hallway of a business office is not considered as a light commercial wear warranty. It is not covered by this warranty.

C: LIFETIME STRUCTURE WARRANTY

• IDEALWOOD Flooring warrants the products will not destructure under specified temperature and humidity conditions, and proper usage, for a lifelong period, from purchasing date.

D: FILING A CLAIM

- Copy of original purchase receipt must be submitted to the original dealer.
- Coordinate with inspection appointments set by dealer and distribution.
- · A minimum of three full planks must be kept for testing purposes.
- IDEALWOOD Flooring only accepts claims of defect products, with over 10% of the total quantity of
 products during the warranty covered period. Customers can claim for the same quantity as defect
 quantity with the same or similar products. But, in case a specific product has been discontinued, a
 similar product or portion of the original purchase value, which is equivalent to the defect quantity,
 can be refunded to the original purchaser.







E: WARRANTY EXCLUSIONS

- All installation must be performed in accordance with the IDEALWOOD Flooring installation manual.
- Proper care and maintenance must be performed following IDEALWOOD Flooring maintenance instruction.
- The surface sheen reduction is a natural aging of products and is not considered to be the defect of surface wear.
- Color changes due to exposure to an intense direct light are not covered. Avoid using area rugs to eliminate uneven exposure to sunlight.
- Any damage caused by chemical spills, water leakage, surface scratches, cutting, fire, high heel shoes marks, excess dryness, moisture, or abuse of any kind is not covered by warranty.
- Labour cost is not covered by this warranty.
- IDEALWOOD Flooring is not responsible for the expansion and contraction of panels due to any improper temperature or moisture conditions.
- IDEALWOOD Flooring accepts no responsibility for any problems arising from pets, insects, or microorganisms.
- · All surface wearing on transition or stair nosings are not covered by this warranty.
- Installation of products that are not compliant with radiant heat will void the warranty.
- The warranty of the products is not transferable and is limited to the original purchaser only.
- In accordance with flooring industry standard, 5% of industrial defect out of the total quantity of products is allowed and, as a result, 10% of wastage during any installation should be calculated before installation is performed.
- Any defect piece is found before installation should not be installed; once products are installed
 will be deemed to have been accepted by the customer. It is the responsibility of the installer and
 the homeowner to inspect products' defects before installation. IDEALWOOD Flooring accepts no
 liability for any labour cost for all claims.
- The British Columbia province law governs this Limited Warranty set above. IDEALWOOD Flooring
 assumes no liability for incidental or consequential damages arising from the product's use or nonuse.
- Products sold as is; auction goods, discontinued/off the rack, or indirect trades in any kind by unauthorized dealer/individual.
- Failure of providing the original purchasing invoice from Unifloor Trading Inc.
- Under no circumstances will the value of a warranty claim exceed the original purchase price of the product.

There are no other extended warranties except statements set above.

