

Installation Method Angle/Fold Glueless installation

Grade Levels

MANUFACTURER'S REQUIRED MINNESOTA DISCLOSURE - IMPORTANT HEALTH NOTICE: S

*WARNING: This product can expose For more information, go to www.P65W

Safety and Health Precautions ns and safety precautions. Unsafe and imprope nce to manufacturer's operating instructi

ans and by wearing personal protective equipm red dust masks, safety goggles and work gloves. Warranty

This flooring product comes with a manufacturer Limited Wear Warrarty. original purchaser that the finish surface will not wear through for the dura Service Team at 800-986-3460 to request a written copy which provi

Pre-Installation

OWNER/INSTALLER RESPONSIBILITY

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The owner is advised to be at home during the installation for consultation/direction. The owner and installer should discuss installation and layout to maximize satisfaction. If this is not possible, consultation should be done prior to installation. Installation should be familiar with installation guidelines from National Wood Flooring Association (woodfloors.org). The owner/installer assumes all responsibility for product quality of completed installation. PERFORMER'SINTAL INSPECTION FOR CLAMSP PROPOSES, YOUAR PACE PROPOSES PROPOUT SINTED FOR PROPOSES FOR PROPOSES PROPOSES

During instanation, inspect the plants committees, implies acceptance. Squeaking and clicking noises are the result of interact usually eliminates most of these noises. Sometimes, normal flooring phenomenon. Minor scratches can generally be repaired with the us as normal by the home owner.

varranty is not inadvertently voided, before

CONCRETE SUBFLOOR REQUIREMENTS Concr

UNU.RELE SUBFLUOR REQUIREMENTS concrete subtloors in Have minimum rated strength of 3000psi. Be level to within 1/8 in. in a 6ft. span or 3/16 in. in a 10ft. span; no bumps or filled with patching compound formulated for use in floor installation. Beclean; no construction debris, soil, mudandary other objects on or adherin No protrusions of nails, debris, metals should remain. New concrete slab must cure for at least 60 days. It must have a minimum 1 Be free from moisture related conditions which can damage the installed

CONCRETE MOISTURE

- est all concrete subfloors for moisture content and document the results. Visual checks are not reliable. Perfor are walls containing plumbing, near foundation walls and in the center of the room. Minimum sample size is; or every additional 1000 sq. ft. thereafter. Moisture content should meet one of the following criteria: 5% when tested using Tramex Concrete Moisture Encounter. Less than 3 pounds per 1000 sq. ft. per 24 hours when using Calcium Chloride test (ASTMF1869). 75% when using Relative Humidity Testing (ASTMF-2170).

WOOD SUBFLOOR REQUIREMENTS The subfloor must be cleam, no presence of construction debris, soil, mud and any other objects on or a or metals should remain. If necessary, scrape and sweep the subfloor before the installation. The subfloor must be structurally sound and stable, no movements or squeaks, no loose panels or loose in

telals should remain...

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subfloor must be flat; no visible bumps or low spots; the subfloor should be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat; no visible bumps or low spots; the subfloor should be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat; no visible bumps or low spots; the subfloor should be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat; no visible bumps or low spots; the subfloor should be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be flat to within 1/8 in. in 6 ft. span or 3/16 in. in 10 isubfloor must be fl PLYWOOD OR ORIENTED STRAND BOARD (OSB) SPECIFICATIONS

On truss/joist spacing of 16 in. (406 mm) O/C or less, the industry standard for single-panel subflooring is a minimum 5/8 in. (19/32 in., 15.1 mm) CD Exposure 1 plywood subfloor panels (CD Exposure 1) or 23/32 in. OSB Exposure 1 subfloor panels, 4 ft. x 8 ft. sheets. Expansion gap between panels should be 1/8 in. (3 mm). If panels are not tongued and growed and there is not sufficient spacing or is inadequate, cut in the required spacing with a circular saw. Do not cut in expansion space on tongue and groove panels.

with a circular saw. Up not cut in expansion space on tongue and groove PARTICLE BOARD OR FIBER BOARD - Only for floating installa EXISTING FLOORS Installation over existing floor requires the installer to consider potential issues reliablesive and fastener manufactures respectively for their specific instructions, solid hardwood, lincleum, terrazzo, ceramic tile and other "nicleum sealing floor glued lincleum and other "moisture absorbing flooring."

JOB SITE CONDITION JOB 51: E CONDITION

The profit or installation, the installer must ensure that at the time of installation, the job site conditions including subfloor/substrate, ambient temperature and relative humidity, and all impacting variables will not negatively affect the floor. The manufacturer will decline responsibility for damages associated with improper installation or poor site conditions.

STORAGE AND CONDITIONS

EXISTING HOME

STORAGE AND CONDITIONS

Do not store flooring in uncontrolled environmental conditions. For example, garages and exterior patios are not acceptable areas to store flooring. Handle and unload flooring with care and store within the environmentally controlled site in which it is expected to perform. Flooring stored on a concrete slab should be elevated at least 4 in. to allow air circulation under cartons.

EXISTING HOME

An existing home should have a consistent room temperature of [60°F-80°F and relative humidity (RH) of 35%-60%]. Continual deviation from these conditions will affect the dimensions of flooring. When using a heater during winter months, humidity may be much lower than the acceptable range. A humidifier is recommended to prevent excess shrinkage in flooring due to low humidity levels. During the warmer months, maintain humidity levels using an air conditioner, dehumidifier, or by turning on your heating system periodically.

NEW CONSTRUCTION OR REMODEL

All work involved matter such as equivary bearent concrete floors, drawall and destenance in Jurching and the floor

All work involving water, such as pouring basement concrete floors, drywall and plasterwork, plumbing, etc. must be completed well in advance of the floor delivery. Ensure that the building is enclosed. Where building codes allow, permanent heating and/or air conditioning systems should be operating at least five days preceding installation and should be maintained during and after installation. If it is not possible for the permanent heating and/or air conditioning system be operating before, during and after installation, a temporary heating and/or air conditioning system in that simulates normal living (occupied) conditions and smalls the installation to proceed until the permanent heating and/or air conditioning system is fully operations for job site should have a consistent temperature of [60°F-80°F and relative humidity (RH) of 35%-60%] which should be maintained continuously thereafter.

BASEMENTS AND CRAWL SPACES

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less than 18 in. and the perimeter of the RADIANT HEATED SUBFLOOR

This product can be installed overradiant heated subfloor. Turn off heat to allow the subfloor to cool down to room to installation. Operating surface temperature must not book the radiant heat system manufacturer to ensure the ted subfloor. The radiant heat system should be operational for at least 7 days before beginning installation. wn to room temperature 3-4 hours before beginning the installation. Increase temperature gradually after nust not exceed §57° (29°C). Contact heater manufacturer for specific installation instruction. Consult with ensure that the system is compatible. the radiant heat system manufacturer to ensure that the sy MOISTER BARRIER/UNDERLAYMENT PADDING CONCRETE SUBFLOOR: When installing over a crawl space or A plastic film with a minimum thickness of 6 mil should be placed with a 4-6 in. (101.6–152 mm) overlapped seam, and taped with a suitable tape, this should be combined with an approved underlayment padding for floating floors.

For direct glue installation, use a molsture barrier if moisture levels exceed the requirement. (See Concrete Moisture section).

SOUND CONTROL UNDERLAYMENT: It is optional. Check with sound control most feet at the c

SOUND CONTROL UNDERLAYMENT: it is optional. Check with sound control manufacturer for application guidelines. Generally, the less compressive underlayment is preferred.

EXPANSION GAP: Required app width range is 5/16 in. to 3/8 in. It is required around the perimeter of the floor and between floor and all vertical obstructions. Do not place permanently mounted structures such as kitchen counter/cabined on the installed floor.

TRANSITION MOLDING: Floating installation, transition T-molding is required in the following cases: floor spanning greater than 40 feet in length or width; doorways or passageways 5 ft. wide or less. Note: Floor areas interrupted by wall openings greater than 5 ft. wide, or interrupted by wall sections extending out of the wall, or floor areas are within are not rectangular may experience buckling or gapping iff there is excessive floor expansion or shrinkage.

TOOLS AND MATERIALS BASICS: Tape measure - Moisture meter (wood, concrete or both) - Eye protection - Chalk line & chalk Hammer - Painters tape Electric power saw - Tapping block - NIOSH - designated dust mask - Carbide tipped saw blade for fine cut - Mallet + Hand saw or jamb saw - Pry Bar Straight edge or Spacers - Broom - Pull bar - Color matched wood putty

Make sure your work area is well lif. Good visibility ensures that color is consistent and that visually defective planks are detected and removed. The remainder of the lastylank can be used as a starter board on the following rows. The minimum length of the first and last plank needs to be longe then the width of the material being installed. Using a short er piece at undercut door jams will help when fitting flooring in place □ Never hit the flooring directly with the tap CUTTING THE LAST ROW TO WIDTH apping block and be careful not to fracture floor edges

Most often the entire length of the last row will need to be cut so that it is narrow enough to fit the remaining space Measure the distance between the floor face edge (exclude the tongue) to the wall. Subtract (5/16 - 3/8 in.) from this measur Draw a line. Cut through the line. Discard the excess piece. Proceed with the installation. Preparing for Installation

Ensure subfloors are clean. Lay out several cartons. Randomly arrange planks to ensure good color and shade mixture and end joint spacing. Inspect plat quality and grading Lay out trim moldings in advance and find planks whose shade closely matches. Set these aside for future use. Remove the existing base, shoe molding or threshold carefully. They can be used to cover the 6/16 - 3/8 in. expansion gap left around the edge of the room Undercut doors and casings using a handsaw laid flat on a piece of scrap flooring. Install the underlayment (flused) parallel to the flooring according to the underlayment manufacture instruction. Any overlap (top) should be on the sams side as the groove of the flooring so that the floor planks will slide smoothly into place. Tape all seams. Secure the underlayment material as necessary prevent excessive movement.

Installation

General Tips

- 1. INSTALLING THE FIRST ROW
- When starting the first row, remove the tongue from the width and length of the first plank. (See Figure 1). This is the starter plank that will guide the expansion gap between the plank and the wall around the perimeter of the area. Be sure to allow enough space for the 5/16 3/8 in. expansion. (See Figure 5). Saw off the tongue from only the length of the remaining planks to be installed in the first row. (See Figure 1).

 2. INSTALLING THE SECOND AND REMAINING ROWS

 Continue laving boards one grows a size and expension. nontinue laying boards, one row at a time and staggering the end joints. Install the long end of the first board in the second ro on the firstrow. (See Figure 2). Pressflat to subfloor to lock into place. Angle the long end of the next board in the second ro See Figure 3). Press flat to subfloor to lock into place. Your laminate floor has the Drop & Lock mechanical lock. Press dow ck is fully engaged. Follow the order described above to continue laying the boards in the second and additional row
- 3. USING A TAPPING BLOCK
 A tapping block is recent allows you to set if gently into the groove of the adjacent plank. (See Figure 4).

 4. EXPANSION GAP AND SPACERS

 Continue with the face the control of the second of the s.Ens

. (See Figure 6) ON FIRST ROW PLANKS SAW OFF TONGUE

FIG

Þ FLOOR

T-Molding: Used to create a tran-between floor coverings of similar

HARD SURFACE REDUCER

5. INSTALLING THE LAST ROW
Use a pull bar to draw the last row to

ALLOW FOR 5/16-3/8 IN EXPANSION GAP

FLOORING >

FLOORING

FIG

Accessories cuters are for general illustrative purposes only. Actual products may differ from Clean the floor and use matching putty where necessary to make any repairs. Install or reinstall all wall trim pieces. Nail them through the wall, but not to the subfil Install transition trim pieces. Nail them to the subfloor, not the flooring. At doorways, transitions should be used to protect the edges of the floor and to provide If the floor is to be covered, use a breathable material such as cardboard. Do not cove om one floor type to another protect the eages of the floor and to provide a decoration and the provide a decoration and the floor with plast the material such as cardboard. Do not cover with plast the floor in the floor with plast the floor in the floor T-MOULDING

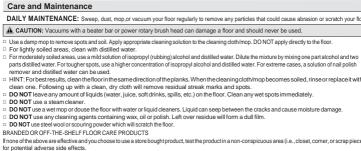
CARPET REDUCER

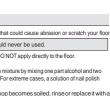
5, STAIR NOSE

Carpet Reducer: Used to tr coverings of differing hei

USE SI OR B

Hard Surface Reducer: Used to transition to another hard surface flooring that have tair Nose: Used in conjunction stalled on stair steps or finish another hard su different heights





QUARTER ROUND

rRound: Us space between the wall base and flooring

WALL BASE

e: Usedtogive

FLOORING

ent for expansion gap

erbyusingspacers.(SeeFigure5).

- PREVENTATIVE MAINTENANCE
- CLIMATE MAIN LENANCE

 Care should be taken to control humidity levels within the 35%-55 varying levels of humidity.

 Dry Climates: A humidifier is recommended to maintain humid Winter months. This also will cause shrinkage in flooring.

 Humid, Wel Climates: By using an air conditioner, heater, or dehu to high moisture content.
- □ Very light and small surface scratches can be repaired with a staining "touch up" pen of the appropriate color.
 □ Slighty deeper scratches can be repaired by means of colored putry or stains. Fill the scratches with the putry. Level with putry knife. Wipe off excess putry
 □ Very deep scratches may require the replacement of the planks.

HOMEDEPOT.COM/HOMEDECORATORS

Above Grade,On Grade and Below Grade

REVENTA I IVE MAIN LENANCE

Protect your floor when using a dolly for moving furniture or appliances. Protective sheets and/or plywood may be needed. Never slide or roll heavy furniture or appliances across the floor.

Place protective pads beneath furniture legs and other heavy objects.

Avoid excessive exposure to water from being tracked in during periods of inclement weather.

Minimize abrasive material and dirt by placing mats on both sides of exterior doors and by using area rugs in high-traffic areas.

Rearrange furniture and rugs periodically to avoid uneven color and shade changes from light exposure.

Use protective mats beneath rolling chairs and keep furniture casters clean.

Keep pets' nalist trimmed.

Remove shoes with cleats, spikes or exceptionally pointy heels hefore walking on the floor. CLIMATE MAINTENANCE

to high moisture FLOOR REPAIR