

	<b>Installation Instructions</b> For Assistance, Call: 1-800-986-3460 HomeDepot.com/homedecorators	<b>Installation Method</b> Angle/Fold Gleueless installation
	<b>Products Description</b> 12mm Click Crestwood Grey Oak Laminate Flooring	<b>Grade Levels</b> Above Grade, On Grade and Below Grade

**MANUFACTURER'S REQUIRED MINNESOTA DISCLOSURE - IMPORTANT HEALTH NOTICE:** Some of the building materials used in this home (or these building materials) emit formaldehyde. Eye, nose, and throat irritation, headache, nausea and a variety of asthma-like symptoms, including shortness of breath, have been reported as a result of formaldehyde exposure. Elderly persons and young children, as well as anyone with a history of asthma, allergies, or lung problems, may be at greater risk. Research is continuing on the possible long-term effects of exposure to formaldehyde. Reduced ventilation may allow formaldehyde and other contaminants to accumulate in the indoor air. High indoor temperatures and humidity raise formaldehyde levels. When a home is to be located in areas subject to extreme summer temperatures, an air-conditioning system can be used to control indoor temperature levels. Other means of controlled mechanical ventilation can be used to reduce levels of formaldehyde and other indoor air contaminants. If you have any questions regarding the health effects of formaldehyde, consult your doctor or local health department.

**WARNING: CALIFORNIA RESIDENTS:**  
This product can create wood dust and emit formaldehyde of which are known to the State of California to cause cancer.

**CAUTION: ASBESTOS IN EXISTING FLOOR:** Home Decorators Collections product does not contain asbestos. Existing installed resilient flooring and asphaltic adhesive may contain asbestos fillers or crystalline silica. Do not sand, dry sweep, dry scrape, drill, saw, bead-blast, or mechanically chip or pulverize existing resilient flooring, backing, lining felt, asphaltic "cutback" adhesive or other adhesive. See "Recommended Work Practices for Removal of Resilient Floor Coverings" (rfci.com) for detailed information and instructions on removing all resilient covering structures.

**CAUTION: WOOD DUST:** Sawing, sanding and machining this product can produce wood dust. It can cause respiratory, skin and eye irritation. Avoid prolonged exposure to wood dust. Power tools should be equipped with a dust collector. If possible, perform wood dust generating activities outdoors. If high dust levels are encountered, use an appropriate NIOSH-designated dust mask.

### Safety and Health Precautions

Power tools can be dangerous. Operate in strict accordance to manufacturer's operating instructions and safety precautions. Unsafe and improper use can cause serious injuries. Avoid inhalation and exposures to wood dust by mechanical means and by wearing personal protective equipment. Wear appropriate personal protective equipment (PPE) which includes NIOSH or OASH-approved dust masks, safety goggles and work gloves.

### Warranty

This flooring product comes with a manufacturer Limited Wear Warranty. The warranty applies to the original purchaser of the flooring. It warrants the original purchaser that the finish surface will not wear through for the duration of the stated warranty from the date of purchase. Contact our Customer Service Team at 800-986-3460 to request a written copy which provides detailed terms of coverage and limitations.

### Pre-Installation

#### OWNER/INSTALLER RESPONSIBILITY

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. Installers 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.

**PERFORM PRE-INSTALL INSPECTION. FOR CLAIMS PURPOSES, YOU ARE ALLOWED TO OPEN UP TO 4 BOXES FOR PRODUCT INSPECTION. DO NOT OPEN ALL THE BOXES. OPENING ALL THE BOXES CONSTITUTES YOUR ACCEPTANCE OF THE PRODUCT. INSPECT ALL THE PLANKS IN THESE 4 BOXES CAREFULLY. EXAMINE FLOORING FOR COLOR, FINISH AND QUALITY. IF YOU DISCOVER THAT PRODUCTS ARE DEFECTIVE, OR IF MATERIAL IS QUESTIONABLE, YOU SHOULD CONTACT THE RETAILER. IF YOU ARE SATISFIED, PROCEED WITH INSTALLATION.**

Prior to installation, arrange planks from several boxes to ensure even distribution of colors, shades and characteristics in the installed flooring. Purchase flooring to be installed in one large area at the same time. Product purchased at a later time than the first purchase may vary beyond your expectations. Accessories, trims and moldings are manufactured to coordinate with the varied appearances of the floor planks. Any exact matches are coincidental. Non-matching accessories are not defective products.

This product is manufactured according to strict quality standards. In the event that defects are discovered in the field, the industry standards permit a defect tolerance not to exceed 5%. Order an additional 5% extra for cutting wastage and grading allowances (10% for diagonal installations).

During installation, inspect the planks continuously. Defects that can be seen from a standing position should be cut off or held out. Installing defective planks implies acceptance.

Squeaking and clicking noises are the result of interactions among flooring, joists and subfloors when they move. Limiting the movements of the flooring system usually eliminates most of these noises. Sometimes, it is impossible to eliminate them completely and minor squeaking or clicking noises are to be accepted as normal flooring phenomenon.

Minor scratches can generally be repaired with the use of putty, stain or filler. It is an industry standard practice of flooring installation and it should be accepted as normal by the home owner.

To assure the warranty is not inadvertently voided, before proceeding with any activity that is not covered in this manual, please contact our Customer Support Team at 800-986-3460.

#### CONCRETE SUBFLOOR REQUIREMENTS Concrete subfloors must:

- Have minimum rated strength of 3000psi.
- Be level to within 1/8 in. in a 6 ft. span or 3/16 in. in a 10 ft. span; no bumps or low spots. High spots can be removed by grinding; depressions can be filled with patching compound formulated for use in floor installation.
- Be clean; no construction debris, soil, mud and any other objects on or adhering to the floor; if necessary, scrape and sweep away before the installation; no protrusions of nails, debris, metals should remain.
- New concrete slab must cure for at least 60 days. It must have a minimum 10 mil polyethylene sheet between the ground and the concrete.
- Be free from moisture related conditions which can damage the installed flooring.

#### CONCRETE MOISTURE

Test all concrete subfloors for moisture content and document the results. Visual checks are not reliable. Perform tests at locations around exterior doorways, near walls containing plumbing, near foundation walls and in the center of the room. Minimum sample size is 3 samples per 1000 sq. ft. of area and one test for 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).

**NOTE:** Concrete moisture content may be acceptable the time of the test. These tests do not guarantee a perpetual "dry" concrete slab. The concrete slab moisture content can vary at other times of the year. We are not responsible for moisture-related damage to installed flooring.

#### WOOD SUBFLOOR REQUIREMENTS

The subfloor must be clean; no presence of construction debris, soil, mud and any other objects on or adhering to the floor; no protrusions of nails, debris, 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 nails; no signs of ply de-lamination or other damages. Repair all shortcomings before installation.

The 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 ft. Test for moisture using a reliable moisture meter. Perform tests at locations around exterior doorways, near foundation walls, near walls containing plumbing lines and in the center of the room. Measure 20 locations per 1000 sq. ft. Moisture content of the subfloor should be less than 12%. Moisture content difference between the subfloor and flooring should be 2% or less.

#### 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 grooved 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.

#### PARTICLE BOARD OR FIBER BOARD - Only for floating installation.

#### EXISTING FLOORS

Installation over existing floor requires the installer to consider potential issues related to moisture damage, adhesive failure and fastener failure. Contact the adhesive and fastener manufacturers respectively for their specific instructions, recommendations and requirements. Acceptable floor coverings include: solid hardwood, linoleum, terrazzo, ceramic tile and other "moisture sealing floors." Unacceptable floor coverings include: carpet, needle punch felt, edge glued linoleum and other "moisture absorbing flooring."

#### JOB SITE CONDITION

Prior to 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

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 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 to be operating before, during and after installation, a temporary heating and/or dehumidification system that simulates normal living (occupied) conditions can enable the installation to proceed until the permanent heating and/or air conditioning system is fully operational. Your 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

Concrete slab or ground must be dry. Ensure that crawl spaces have open vents year-round for proper air circulation and prevent moisture build up. The ground in the crawl spaces must be completely covered using 6 mil black polyethylene. Crawl space clearance between the earth and underside of joists should be no less than 18 in. and the perimeter of the vent area should be equal to 1.5% of the total square footage of the crawl space or as mandated by code.

#### RADIANT HEATED SUBFLOOR

This product can be installed over radiant heated subfloor. The radiant heat system should be operational for at least 7 days before beginning installation. Turn off heat to allow the subfloor to cool down to room temperature 3-4 hours before beginning the installation. Increase temperature gradually after installation. Operating surface temperature must not exceed 85°F (29°C). Contact heater manufacturer for specific installation instruction. Consult with the radiant heat system manufacturer to ensure that the system is compatible.

#### MOISTURE BARRIER/UNDERLAYMENT PADDING

**CONCRETE SUBFLOOR:** When installing over a crawl space or concrete slab, it will be necessary to use a moisture barrier to prevent moisture migration. 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 moisture barrier if moisture levels exceed the requirement . (see Concrete Moisture section).

#### SOUND CONTROL UNDERLAYMENT:

It is optional. Check with sound control manufacturer for application guidelines. Generally, the less compressive underlayment is preferred.

#### EXPANSION GAP:

Required gap 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/cabinet 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 which are not rectangular may experience buckling or gapping if 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

### General Tips

- Make sure your work area is well lit. Good visibility ensures that color is consistent and that visually defective planks are detected and removed.
- The remainder of the last plank can be used as a starter board on the following rows. The minimum length of the first and last plank needs to be longer than the width of the material being installed.
- Using a shorter piece at under cut door jams will help when fitting flooring in place.
- Never hit the flooring directly with the tapping block and be careful not to fracture floor edges.

### CUTTING THE LAST ROW TO WIDTH

- Measure 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 measurement for expansion gap. 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 plank 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 5/16 - 3/8 in. expansion gap left around the edge of the room.
- Undercut doors and casings using a hand saw laid flat on a piece of scrap flooring.
- Install the underlayment (if used) parallel to the flooring according to the underlayment manufacture instruction. Any overlap (top) should be on the same 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 to prevent excessive movement.

### Installation

#### 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 laying boards, one row at a time and staggering the end joints. Install the long end of the first board in the second row at an angle to the board in the first row. (See Figure 2). Press flat to subfloor to lock into place. Angle the long end of the next board in the second row to lock into the first row. (See Figure 3). Press flat to subfloor to lock into place. Your laminate floor has the Drop & Lock mechanical lock. Press down on the end joint until the lock is fully engaged. Follow the order described above to continue laying the boards in the second and additional rows.

#### 3. USING A TAPPING BLOCK

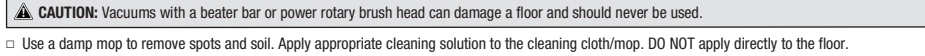
A tapping block is recommended to ensure there's no gapping in the installation process between rows. The tapping block protects the from the hammer and allows you to set it gently into the groove of the adjacent plank. (See Figure 4).

#### 4. EXPANSION GAP AND SPACERS

Continue with the installation process. Ensure the expansion gap is maintained around the entire perimeter by using spacers. (See Figure 5).

#### 5. INSTALLING THE LAST ROW

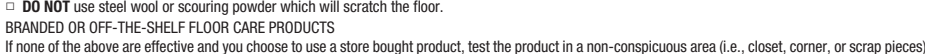
Use a pull bar to draw the last row to fit tightly to the previous row. (See Figure 6).



### Accessories

Pictures are for general illustrative purposes only. Actual products may differ from diagrams.

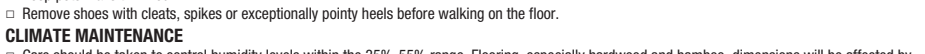
- Clear the floor and use matching putty where necessary to make any repairs.
- Install or reinstall all wall trim pieces. Nail them through the wall, but not to the subfloor to avoid restricting the expansion gap.
- Install transition trim pieces. Nail them to the subfloor, not the flooring.
- At doorways, transitions should be used to protect the edges of the floor and to provide a decorative transition from one floor type to another.
- If the floor is to be covered, use a breathable material such as cardboard. Do not cover with plastic.



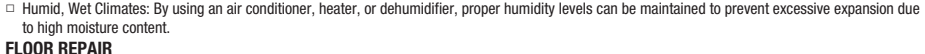
**T-Molding:** Used to create a transition between floor coverings of similar heights.



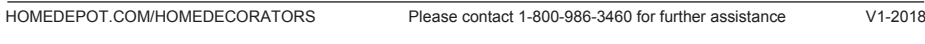
**Carpet Reducer:** Used to transition the floor coverings of differing heights.



**Quarter Round:** Used to cover the expansion space between the base and flooring.



**Hard Surface Reducer:** Used to transition to another hard surface flooring that have different heights.



**Stair Nose:** Used in conjunction with flooring installed on stair steps or finished edges of a higher level.



**Wall Base:** Used to give a finished look at the base of the walls.

### Care and Maintenance

#### DAILY MAINTENANCE:

Sweep, dust, mop, or vacuum your floor regularly to remove any particles that could cause abrasion or scratch your floor.

#### CAUTION: Vacuums with a beater bar or power rotary brush head can damage a floor and should never be used.

- Use a damp mop to remove spots and soil. Apply appropriate cleaning solution to the cleaning cloth/mop. DO NOT apply directly to the floor.
- For lightly soiled areas, clean with distilled water.
- For moderately soiled areas, use a mild solution of isopropyl (rubbing) alcohol and distilled water. Dilute the mixture by mixing one part alcohol and two parts distilled water. For tougher spots, use a higher concentration of isopropyl alcohol and distilled water. For extreme cases, a solution of nail polish remover and distilled water can be used.
- HINT:** For best results, clean the floor in the same direction of the planks. When the cleaning cloth/mop becomes soiled, rinse or replace it with a clean one. Following up with a liquid, dry cloth will remove residual streaks and spots.
- DO NOT** use any amount of liquids (water, juice, soft drinks, spills, etc.) on the floor. Clean any wet spots immediately.
- DO NOT** use a steam cleaner.
- DO NOT** use a wet mop or douse the floor with water or liquid cleaners. Liquid can seep between the cracks and cause moisture damage.
- DO NOT** use any cleaning agents containing wax, oil or polish. Left over residue will form a dull film.
- DO NOT** use steel wool or scouring powder which will scratch the floor.

#### BRANDED OR OFF-THE-SHELF FLOOR CARE PRODUCTS

If none of the above are effective and you choose to use a store bought product, test the product in a non-conspicuous area (i.e., closet, corner, or scrap pieces) for potential adverse side effects.

#### PREVENTATIVE MAINTENANCE

- 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 mats periodically to avoid uneven color and shade changes from light exposure.
- Use protective mats beneath rolling chairs and keep furniture casters clean.
- Keep pets' nails trimmed.
- Remove shoes with cleats, spikes or exceptionally pointy heels before walking on the floor.

#### CLIMATE MAINTENANCE

- Care should be taken to control humidity levels within the 35%-55% range. Flooring, especially hardwood and bamboo, dimensions will be affected by varying levels of humidity.
- Dry Climates: A humidifier is recommended to maintain humidity levels. Wood stoves and electric heat tend to create very dry conditions during the winter months. This also will cause shrinkage in the flooring.
- Humid, Wet Climates: By using an air conditioner, heater, or dehumidifier, proper humidity levels can be maintained to prevent excessive expansion due to high moisture content.

#### FLOOR REPAIR

- Very light and small surface scratches can be repaired with a staining "touch up" pen of the appropriate color.
- Slightly deeper scratches can be repaired by means of colored putty or stains. Fill the scratches with the putty. Level with putty knife. Wipe off excess putty.
- Very deep scratches may require the replacement of the planks.