



COMPOSER COLLECTION INSTALLATION GUIDELINES

GLUE DOWN / NAIL OR STAPLE / FLOAT

PLEASE READ ALL INSTALLATION GUIDELINES BEFORE PROCEEDING WITH INSTALLATION

A. INSTALLER/OWNER RESPONSIBILITY - IMPORTANT

Inspect all flooring material carefully for correct product and visible defects BEFORE INSTALLATION. Warranties do not cover visible defects once they are installed. (Based on industry standards a defect/irregular tolerance of up to 5% is allowed).

As all wood is unique, with no two pieces alike, review and compare the new flooring with the "sample board" from which the floor was selected to ensure it meets the homeowners expectations prior to the installation. If flooring is not acceptable, contact your distributor immediately and arrange for replacement.

It is the responsibility of the installer/owner to ensure subfloor and jobsite conditions are environmentally and structurally acceptable for wood floor installation. Problems or failures related to deficiencies in subfloor or job site damage after installation are not covered by our warranty.

- Receive the floor and make sure it meets owner's expectations.
- Grade out and separate any pieces with visible defects/irregularities.
- Test the subfloor and jobsite itself, including ambient temperature/relative humidity and all other variables that may adversely affect a wood floor.
- Record the flooring moisture content upon delivery and at time of installation - RETAIN THESE RECORDS
- Acclimate flooring to appropriate site conditions. Follow NFWA *Installation Guidelines for Acclimation on Jobsite (Section I, Chapter 2)*
- Record and retain a permanent job record.

IMPORTANT: Urbanfloor's Composer Collection is designed to perform within a typical residential environment. Wood installed in areas where relative humidity is below 30% may cup and shrink. (A humidifier may be necessary to keep the relative humidity within recommended levels of 35% to 55% year round.) Flooring installed on wet subfloors may crown and buckle.

CORRECT ANY OVERLY DRY OR WET CONDITIONS BEFORE
INSTALLATION

B. PRE INSTALLATION/JOBSITE REQUIREMENTS

ACCLIMATION IS CRITICAL

The unopened carton must be stored in a cool, shaded and dry place with a recommended ambient temperature of 65-77°F. If possible, store unopened cartons in the room or area that the flooring will be installed in with the recommended environmental conditions in effect.

NEVER OPEN CARTONS until the day of and just prior to installation to avoid moisture pick up in the planks. Particularly during the winter time, cartons in their original UN-OPENED packaging should be acclimatized to the room temperatures and site conditions for at least 48-72 hours. Proper acclimation is particularly important in extremely dry climates (e.g. Utah,

Arizona, Nevada, Idaho, Colorado, etc.) See NFWA *Installation Guidelines, Section I, Chapter 2* for more acclimation details.

HANDLING AND STORAGE

Hardwood flooring should be one of the last items installed on any new construction or remodel project. All work involving water or moisture should be completed before installation of flooring.

Do not deliver wood flooring to the job site until the building is entirely closed and until appropriate temperature and humidity conditions have been achieved. Appropriate temperature and humidity conditions are defined as those conditions to be experienced in the building after occupancy.

HVAC should be in operation before, and during installation (refer to NFWA *Installation Guidelines Section I, Chapter 1, Part 1* for further information).

Room temperature and humidity of installation areas should be consistent with normal, year-round living conditions for at least ONE WEEK before installation of wood flooring. Room temperatures of 60-80°F and a humidity range of 35%-55% is recommended year-round.

KEEP FLOORING DRY: Protect flooring from moisture during storage and transportation. Store material flat in a dry area. Record the flooring moisture content on delivery, and at the time of installation. Keep a permanent record of these figures.

The moisture content (MC) of hardwood should generally be between 6% to 9%. For wide width flooring (3 ¼" or wider), there should be no more than 2% difference in moisture content between properly acclimated wood flooring and wood subfloor.

C. SUBFLOOR TYPES AND CONDITIONS

Types: (Refer to NFWA *Installation Guidelines, Section II for Subfloor Information*)

- CD: Exposure 1 plywood, minimum ¾" thick.
- Solid board: 1" x 6" wide, square edge, kiln dried.
- OSB: Exposure 1 (minimum ¾" thick).
- Concrete (refer to NFWA *Installation Guidelines, Section II, Chapter 5 & 6*).

The subfloor must be clean, dry, and flat to within 3/16" per 10' radius. If necessary, sand or plane high spots, and fill low areas using a cement based patching/leveling compound. Secure any loose boards or panels to prevent squeaking. The surface temperature of the subfloor, at time of installation should be at least 59°F but never exceed 80°F. Damage due to moisture issues is not a product failure and is not covered by our warranty.

Minimum plywood sub flooring requirements: 4' x 8' sheets of ¾" CDX grade underlayment with a maximum 19.2" on center joint construction. If joist system is spaced over 19.2" on center, an additional layer of ½" CDX plywood underlayment - laid diagonal or perpendicular - will be required.

Do not install over an existing glue down hardwood floor.

Our warranties DO NOT cover any problems caused by inadequate substructures or improper installation of said substructures.

BASEMENT AND CRAWL SPACES: Keep dry and ventilated. Crawl spaces must be a minimum of 18" from ground to underside of joists. Exposed earth should be fully covered by a minimum 6 mil black polyethylene vapor barrier with joints overlapped and sealed with a moisture resistant tape.

CONCRETE SUBFLOOR: New concrete should be completely cured for at least 50-60 days. Test for excessive moisture. A reading of over 3lbs./1000 sq. ft. by Calcium Chloride test requires the application of a vapor retarder.

Ensure concrete has a minimum of 3000 PSI Compression. Over a lightweight concrete (less than 3000 PSI) use a floating installation. To check for lightweight concrete, draw a nail across the top. If it scratches or indents, it is

probably a lightweight concrete.

WOOD SUBFLOOR: When floating over a wood subfloor, cover wall to wall with an underlayment overlapped 8" at seams (follow underlayment manufacturing instructions). It is recommended to tape overlapped edges with a cellophane tape. To prepare wood subfloor for installation, re-nail any loose areas to prevent squeaking. Sand or plane high spots and fill low areas.

The moisture content (MC) of a wood subfloor should not exceed 12%. In general the moisture content of hardwood flooring is between 6% and 9% and the MC difference between the subfloor and flooring should not exceed 2% on a 3/4" or wider flooring.

OVER RADIANT HEATED FLOOR: Prior to installation over radiant heat systems it is important to refer to the *NWFA Installation Guidelines Section IV, Appendix H*. Failure to follow these guidelines can void your warranty and may produce unsatisfactory results. Use only over water-heated systems, not recommended over electrically heated systems.

**NWFA - National Wood Flooring Association:
800-422-4556 (USA) / 800-848-8824 (Canada)**

Radiant Heat Subfloors can be concrete, wood or a combination of both.

The type of subfloor determines the subfloor preparation.

If the Radiant Heat subfloor is concrete the system should be fully operating at a normal temperature for a minimum of 21 days prior to floor installation, to dry out residual moisture.

The system must then be turned off 24 hours prior to installation and must remain off for 24 hours after installation so that the adhesive does not cure excessively fast. After the 24 hours, the system temperature can be gradually raised again (over a 7 day period) up to the desired level.

The maximum allowable subfloor surface temperature over radiant heat is 85°F.

Radiant heat is a dry heat. A humidification system is recommended to maintain wood flooring in its comfort zone. Surface checking, excessive gapping, etc. can be expected if the proper humidity level is not maintained between 35-55% year round, or the surface temperature exceeds 85°F.

To minimize the effect that rapid change in temperature will have on the moisture content of the wood floor, an outside thermostat is recommended.

INSTALLATION METHODS:

The following installation methods can be used over radiant heated floors:

FLOATING (RECOMMENDED) - See *Floating Method on page 2*
Install over approved subfloor. A minimum 6 mil poly vapor retarder should be used over a concrete subfloor. In some cases, this may be part of the flooring underlayment. A foam or resilient approved underlayment must be installed prior to installation of wood flooring. Use Dri-Tac 8100 or Titebond T&G glue for grooves.

GLUE DOWN - See *Glue Down Method on page 2*
Use over a approved subfloor. Use only approved adhesives - Urbanfloor recommends Simple Spread or Urbanfloor adhesives.

STAPLE / NAIL DOWN: See *Staple/Nail Down Method page 3*
Install over approved subfloor. Be sure fasteners are not so long as to penetrate the heat source.

D. GENERAL INSTALLATION

REFER TO *NWFA INSTALLATION GUIDELINES, SECTION III, CHAPTER 8*

Composer can be installed above, on-grade or below-grade. Installation methods can be either: Direct Glue, Floating or Nail/Staple.

Due to the extra width and length of planks, it is recommended to glue all end joints, regardless of the installation method. This can reduce excessive seasonal gapping. Use Dri-Tac 8100 or Titebond T&G glue.

Plan the layout: "Rack" out (dry-lay) the flooring before installing to avoid close end joints and to blend color and grain patterns. To blend the visual differences from board to board it is recommended to work from several cartons alternatively. Leave 1/2" gap at all vertical objects, undercut all door jams.

A NOTE ON MOLDINGS

Pre-drill and install quarter round and/or baseboard moldings. Molding must be of sufficient thickness to cover the required expansion space. **DO NOT FASTEN MOLDINGS TO THE FLOORING** but rather attach to the wall. Ensure that there is adequate space between the bottom of the molding and the flooring to allow it to freely expand and contract.

GLUE DOWN METHOD

Urbanfloor recommends Simple Spread urethane adhesive, Urban-FOUR, for the installation of our products. Carefully read and follow the instructions provided by the adhesive manufacturers for the use and application of their product. The recommended trowel size is a V-notch 1/4" x 1/4". Check with your flooring retailer for other adhesives and sealers that are compatible with engineered floors.

⚠ CAUTION

Adhesive that is allowed to dry on the plank surface can be difficult to remove and may leave a haze. Be sure to clean any surplus adhesive off surface of plank as you go. Use a Urethan Adhesive remover for this purpose.

The first step is to find a starting line from the wall the width of 2 or 3 boards plus a 1/2" expansion space. Nail or fasten a holding board, i.e. 1" x 2' (1-inch x 2 feet) or 1" x 4' (1-inch by 4-feet) length of straight wood along the line, this will help keep the first rows straight and firmly in place. Apply the adhesive to the subfloor and place the first plank down up against the holding board with the groove side facing the wall. Continue laying the first row using the tongue and groove method. Tighten all joints by the use of a wooden or plastic tapping block and soft mallet. Gently knock the boards in from the tongue side. Never use a hammer directly on the plank as this can cause damage to the finish. Use a pull-bar to pull the last row into place and tighten joints. **Remember to clean surplus adhesive as you work.** Continue laying the second row, staggering end joints of boards from row-to-row a minimum of 8"-10" apart. If necessary use blue installers tape to maintain a tight floor. Repeat row-by-row using the same method until the entire section is complete. Remove the holding boards and complete the area from the starting boards to the wall.

COMPLETING THE JOB: Roll every 2 to 3 hours and on completion with a 100lb. to 150lb. roller to ensure all planks are flat and in contact with the adhesive. Remove blue installers tape within 3 hours. Remove any spacer wedges. Cover all expansion spaces along walls with Urbanfloor coordinated moldings. Always nail moldings to the adjacent wall, not the flooring! Clean, sweep, and vacuum installed flooring before use.

FLOATING METHOD

When choosing the floating method for engineered wood, it is critical that the subfloor is flat to within 3/16" per 10' radius. Urbanfloor will not honor warranty claims for products damaged due to plank movement or flexing due to an uneven floor. (See *Section C: Subfloor Types and Condition on page 1*).

For floating installation, a 6 mil., age-resistant polyethylene plastic sheet is required as a moisture barrier. Lap up walls 4". It is also required that a 15lb. asphalt saturated felt (rag paper) be used as an underlayment above the moisture barrier to reduce sound. You can also use a 2 in 1 product that incorporates both a moisture barrier and sound barrier in ONE sheet, e.g. Volara foam 1/4" or Floor Muffler products. Follow underlayment manufacturer's instructions.

Install cushioning underlayment running same lengthwise direction that you plan to install the flooring. Decide which direction the flooring will run. Starting from left to right across the floor, begin by snapping a chalk line the

width of the plank (e.g. 9 1/2") plus the 1/2" expansion space, off the starting wall. Nail a series of holding boards (i.e. 1" x 4" lengths of wood) along the chalk line, this will help keep the first rows straight and firmly in place. Lay the first plank and align with chalk line, up against the holding boards with groove side facing the wall. Take second plank and apply a tongue and groove wood adhesive i.e. Dri-Tac 8100 glue or T&G glue made for flooring (*follow adhesive manufacturer's instructions*) to the groove on boards end, and join to first plank. Continue same steps until first row is completed. When reaching the end of the first row, cut the last board to fit; use spacing wedges to maintain a 1/2" expansion space between wall and end of plank. Make sure all end joints are tight and square. **Remember to clean adhesive as you work.** Begin the second row by cutting board - if necessary - to ensure a staggered end joint of approximately 16" between end joints of adjacent planks. Apply tongue and groove adhesives to end and side grooves; join to first row, repeat until second row is complete. The floor can be installed in successive rows or with a stair-step approach. The stair-step approach ensures a tighter fit for the first few rows and limits board separation during the initial set-up. Always use a random pattern to begin installation. Tighten all joints by the use of a wooden tapping block to gently knock the boards in from the tongue side. Do not use excessive force and never use hammer directly on the plank. Use special pull bar to tighten joints from the sides. Use clamps or blue installers tape to hold joints together (remove blue tape within 3 hours and remove any tape adhesive residue). The last row may need cutting lengthwise to fit (remember to allow expansion space). Use a pull-bar to pull last row in place and tighten joints. Use spacing wedges to maintain the space.

COMPLETING THE JOB: Allow finished floor to be free of traffic for a minimum of 8 hours and before spacing wedges are removed. Be sure all expansion spaces are covered with appropriate moldings. Always nail moldings to the adjacent wall, not the flooring! Never attach any molding to a floating floor. Clean, sweep, and vacuum installed flooring before use.

STAPLE/NAIL DOWN METHOD

Due to extra width and length of planks, it is recommended to glue end joints. Staple/nail-down installation uses supplemental adhesives. All end joints should be glued with Dri-Tac 8100 or Titebond T&G.

Carefully remove any baseboard trim around the perimeter of room. Save for replacement after floor is installed. Cover wood subfloor wall to wall with the vapor retarder or 15 lb. asphalt saturated felt. Overlapped 4" at seams. This will not only retard moisture, but may help prevent squeaks. Snap a working line along the longest continuous wall allowing 1/2" expansion space. Direction of the planks should be at right angles to the joists for highest strength of flooring. Lay one row of planks along the entire length with groove facing the wall. If necessary, use spacing wedges to maintain expansion space. Top nail the first row, placing nails perpendicular to the surface as close as possible to the wall so that after completion the head of the nail will be hidden by the base molding. Apply T&G glue to all end joints. **Remember to clean surplus adhesive as you work.** Blind nail the other side of the plank through the tongue (use 1 1/2" length nails with a 3/4" ply subfloor) with the nail slightly inclined and the head driven flush. Staples should be placed 3" to 4" apart and cleats every 4" to 6" apart. All fasteners should be placed 1" to 2" of end joints. Hand nail the first row if necessary, then a nailing machine can be used. Start second row in the same manner. If necessary, cut the first board to stagger end joints of boards a minimum of 16" from row-to-row. From second row onward nailing is done on the tongue side only. Use a tapping block or soft-head mallet to engage tongue & groove. A hard-head mallet can damage the milling of the plank. The last row usually requires cutting the plank lengthwise to fit the space (remember to maintain the expansion gap). Nail the last row in the same manner as the first.

COMPLETING THE JOB: Once the nailing is complete, remove any spacing wedges and install the base molding. Always nail moldings to the adjacent wall, not the flooring! Clean, sweep and vacuum installed flooring before use.

Stapled or nailed-down products are not warrantied against squeaking or popping sounds.

Inspect the completed floor for any scratches, nicks and minor gaps. Use touch-up kit, filler or wood putty as needed.

TOOLS: Some standard tools you may need include: Tape Measure, Wooden Tapping Block, Rubber Mallet, Power Saw, Blue Painters Tape, Wood or Plastic Spacers, Pry Bar, and Chalk Line.

FOR STAPLE/NAIL DOWN: Air-Stapler/Nailer with appropriate nail down adapter. Use a prefinished foot to protect finished edges.

GLUE ASSISTED - NAIL DOWN PROCEDURE

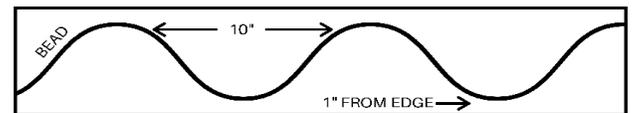
Nail down installations of wide planks (5" width or wider) over a wood or OSB subfloor may require additional bonding to increase stability, firmness, and help prevent plank movement leading to cupping, crowning, and a noisy floor. When installing wide planks, we recommend a combination of glue along with the recommended fasteners to make the floor more stable and help avoid 'creaking' - noisy floors - and other issues.

When installing on a wood subfloor that is over a 'finished' room below, a moisture retarder - i.e. Aquabar, Kraftpaper - is often not necessary, enabling the glue to be adhered directly to the subfloor rather than the paper.

Apply a 1/4" thick serpentine bead of glue on the back of the plank (F1) and then press plank into place before applying recommended fasteners and following required fastener schedule. Recommended glues for nail down procedure: Bostiks - Chem Calk 900, Liquid Nails, Sika - Pro Construction Adhesive.

NOTE: Do not allow adhesive to dry on the surface of the floor. Clean as you go. Wipe any wet adhesive from the flooring with a lightly dampened, clean cloth. If adhesive has dried, use mineral spirits on a clean cloth.

Figure 1:



GLUE ASSISTED - (FLOATING STYLE) NAIL DOWN PROCEDURE

If you cannot or do not want to glue your flooring to the subfloor (such as when installing over an unfinished area below where a moisture retarder is required), another option is a 'floating style' glue assist. Apply bead of glue to the tongue & groove joints ONLY (as with a floating application). Then press planks into place before applying fasteners following required fastener schedule. Recommended glues for floating style procedure: DryTac - TNG-8100, TiteBond T&G Glue.

NOTE: Do not allow adhesive to dry on the surface of the floor. Clean as you go. Wipe any wet adhesive from the flooring with a lightly dampened, clean cloth. If adhesive has dried, use mineral spirits on a clean cloth.

⚠ IMPORTANT

After installation, any protective covering used should be taped down using a low adhesion tape. Attach tape to base shoe or molding, avoid taping directly to floor surface as many tapes can damage the finish

NOTES: For areas larger than 20' x 20', more spacing between rows may be needed depending on geographical area, site environment and time of year. (Refer to *NWFA Installation Guidelines, Section III, Chapter 9*).

We recommend, if possible the use of a NWFA (National Wood Flooring Association) certified professional when installing Urbanfloor.

After installation it is important to maintain the environmental conditions in the home within the ranges outlined in these instructions (see *PRE-INSTALLATION/JOB SITE REQUIREMENT, Section B on page 1*). Failure to keep the humidity and temperature within the recommended ranges can result in damage to the floor.

E. CARE & MAINTENANCE

You have purchased a high quality engineered floor product with formaldehyde free, UV Oiled finish, which is ready for installation and does not require any special treatment directly after installation. What you have to be aware of is that even pre-finished engineered flooring will naturally get

worn over time; therefore, regular maintenance is very important to protect and preserve its surface.

Please make sure that a healthy room climate with about 35-55% Air Humidity and 60-80°F can be provided. This kind of climate is good for both your health as well as for the well-being of the engineered floor. Ensure that any moisture spillage is immediately cleaned and dried up. Do not allow any moisture to sit on the surface, as this will cause damage to the floor.

NOTE: Observe the maintenance product manufacturer's instructions prior to using their product on your floor. Depending on the rate of traffic on the floor, maintenance may need to be done more often in line with the traffic intensity.

Daily cleaning should be done with a vacuum cleaner (with felt pads fitted to avoid scratching), a static mop or a smooth floor broom. Any sand or dirt should be immediately removed because they can cause scratches and damage the floor surface.

Whenever necessary, the floor surface can also be cleaned with a damp mop or a special spot remover/cleaner to remove stains, grease, shoe tracks, etc. Cleaning products can be obtained from WOCA or Bona*. Never use the traditional wax or steel wool on you floor. When mopping with a well-wrung damp mop, ensure that the residual water evaporates within 1 minute. If it takes longer, then there is too much moisture on the mop.

It is highly recommended to put some felt pieces under any furniture bases or chair legs etc. to protect the floor surface. For the entrance area of e.g. Boutique, Halls, Corridors etc. a good floor mat is also recommended and will be very useful to help preserve your floor. In case of any damage on the oiled surface (e.g. by furniture movement etc.), acquire advice and help from a qualified installer or tradesman that is knowledgeable with engineered flooring.

The Composer Collection has a UV oil finish. We recommend that the floor be treated with an oil refresher product (e.g. from WOCA or Bona*) every 3 to 6 months, or as and when you feel the floor needs revitalizing. Please follow the product manufacturer's instructions prior to applying it to the floor. Testing should be done on part of the floor in a hidden area (e.g., in walk-in closets or cabinets) to ensure suitability and adhesion and sheen/gloss level of the refresher product.

Wood is a living material, which swells if the moisture or humidity is raised and also shrinks if the moisture or humidity is lowered. This not only shows that your floor is a natural product; but can also lead to some irreversible damage to the floor if the room climate and humidity is left too high or too low for an extended period of time. This can happen if e.g. - in the wintertime - the humidity (RH) in a heated room goes below the specified 30 % or in summertime when temperature goes above 80°F. In this case you should install an Air Humidifier in order to prevent damages to your floor. The same may also be necessary with Air Conditioning.

Wood is also affected by UV light and therefore will change color over time. Floor coverings such as rugs and mats should not be placed immediately after laying. The floor should be allowed to stabilize for a few weeks.

SURFACE CHECKS: During the winter months of low humidity, minor surface cracks (checks) may appear in wood flooring, then often close up again in the summer months when the humidity is higher. This is a normal characteristic of natural wood and not a basis of a complaint against the manufacturer, especially if there is no structural failure. To minimize checking, follow the guidelines for maintaining the environment in the home on *page 1*.

SEASONAL GAPS: Seasonal gapping can be expected, especially on wider planks. This is normal and not a defect. Throughout it's life wood will naturally expand and contract in response to the wet and dry seasons and also from the

environmental conditions in the home. To keep these dimensional changes to a minimum, maintain the home temperature and relative humidity within the range outlined in *Section B, Pre-installation Job Site Requirements on page 1*.

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VISIT OUR WEBSITE: WWW.URBANFLOOR.COM
FOR ANY RECENT UPDATES OF INSTALLATION GUIDELINES

Questions or Concerns?



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