

INSTALLATION

GENERAL INFORMATION

Before starting the installation, verify that the material is of the correct style, color, quantity, and run numbers, and ensure that the correct adhesive has been selected for area of usage (see "Prevail Adhesives" section; starts on page 8). Also, confirm that all pre-installation requirements, as detailed in the remainder of this section, have been satisfactorily completed. Start of flooring installation indicates acceptance of current subfloor conditions and full responsibility for completed work.

CHECK RUN NUMBERS AND MANUFACTURE DATE

Locate the run number on the short end of each carton and verify that all of the material for your job is from the same run. Minor shade variations within the same run number contribute to the natural look of Metroflor LVT. To avoid noticeable shade variations, do not install material from different runs across large expanses.

To determine manufacture date, locate the run number on the short end of the carton. It is the eight-digit number separated by decimal points beginning with the two-digit day, then the two-digit month, and finally the four-digit year.

Run Number/Manufacture Date
 29.10.2013
 DAY.MONTH.YEAR

- Acclimate tiles (keep cartons flat), adhesive, jobsite, and subfloor to a stable condition between 65°-85°F (18°-29°C) and 35%- 85% RH for a minimum of 48 hours before and after installation.
- Confirm quantity of Metroflor LVT flooring and adhesive are sufficient for area to be installed. Check material for visual defects before installation. Installation of flooring acknowledges acceptance of materials.
- Make sure all surfaces to be covered are completely clean, dry, and smooth, and that all necessary subfloor preparation has been properly completed and documented.
- Perform final acceptance inspection of substrate.
- Protect adjacent work areas and finished surfaces from damage that could occur during product installation.
- Metroflor LVT should be the last material installed, so as to prevent other trades from disrupting the installation and adhesive set-up, and to prevent damage to the floor.

Metroflor LVT comes in plank, rectangular, and square tile formats. Install tiles running in the same direction (block or staggered), quarter-turned or as specified by architect. Metroflor LVT plank flooring should have end-joints offset by at least 6" and should be installed in a staggered manner, so as to create a random appearance that avoids alignment of end-joints. Metroflor LVT can be laid out to run either parallel or diagonal to the room or primary wall. The following conditions must be given consideration when determining how Metroflor LVT will be installed:

Layout: Layout shall be specified by the architect, designer or end user (refer to architectural drawings).

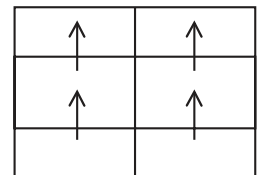
- Establish center lines and determine starting point to balance the installation by having equal tile widths on opposite sides of room. This can be facilitated by measuring or dry-laying tiles and marking baselines.

- **Wet-Set Applications (Prevail 3500 & Prevail 4000):** The room layout must be arranged so that all flooring can be installed while working off of freshly installed tiles. This will keep tiles from shifting, minimize adhesive displacement, and prevent wet adhesive from oozing up and getting onto the surface of the tiles. This can be accomplished by snapping chalk lines to create work zones that are no wider than a comfortable arm's reach, and in multiples of the tile or plank width. Periodically pull back a tile or plank during installation and check for adhesive transfer to backing.
- When all preparatory work is satisfactorily completed, including dry fitting cut tiles (if applicable), proceed with installation. Inspect each tile for visual defects before installing. Installation of flooring implies acceptance of materials.
- **Protecting Newly Installed Floors:** Newly installed flooring must be protected while the adhesive sets, and also protected from damage of other trades. Early foot traffic, as well as point or rolling loads, can cause shifting of tiles, adhesive displacement, or breaking of the bond between the adhesive and the tile or substrate.

Always start with a clean jobsite. All trades must finish before installing Metroflor LVT. Carefully inspect each plank or tile for defects prior to installation, and do not install damaged material. Be sure to check run numbers/manufacture dates prior to installing.

METROFLOR LVT RESILIENT TILE INSTALLATION

All Metroflor LVT products have directional arrows on the back. All Metroflor LVT tiles should be installed with the arrows pointing in the same direction in order to prevent shade, color, or gloss variation. Metroflor LVT planks may be installed randomly (without concern for arrow direction). This will bring out more variety in the appearance of the installed floor.



STEP 1: SQUARE THE ROOM

Square the layout of the room, find the center of one end of the room. Locate the same point at the other end-wall. Snap a chalk line between these points to mark the center line on the floor. Then, measure along this center line to find the middle of the room. At the center point, mark off a line across the room at precise right angles to the first line. This can be accomplished using the 3-4-5 triangle method. Starting from the center point, make a mark measuring 4 feet vertically and 3 feet horizontally. Connect the marks with a diagonal line to complete the triangle. If the diagonal line does not measure exactly 5 feet, then the center crossing lines are not at a true right angle. (See Figure 1)

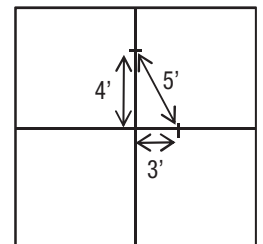


Figure 1

TIP: Multiples of the 3-4-5 triangle method may be used for greater accuracy in large rooms (e.g. 6-8-10, 9-12-15, etc.).

STEP 2: BALANCE THE ROOM

Either measure or dry-lay a row of tiles from the center line to the side wall to determine the size of the first and last tiles. If the resulting border is too small in either direction, move the row of tiles over one-half tiles' width and snap a new line. This becomes your new starting line. (See Figure 2)

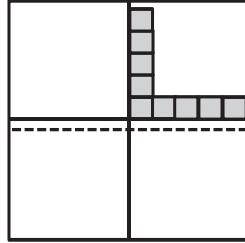


Figure 2

TIP: Use the dimensions of the room to calculate the size of the first tile without dry-laying.

STEP 3: INSTALL THE TILES

After determining the layout and snapping center line, spread adhesive and install flooring as outlined below using the dry to touch or wet-set application method. (See Figure 3)

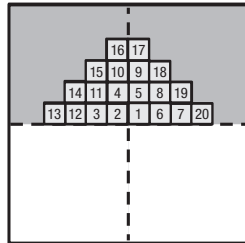


Figure 3

Apply adhesive as recommended on the label.

Pressure Sensitive (dry-to-touch)

Applications: Lay tiles from the center of the room in a pyramid fashion while working towards the walls as shown in Figure 3. The dry, tacky adhesive makes it possible to work on top of the material without compromising the installation.

Wet-Set Applications: The room layout must be set-up so that all flooring can be installed while working off of freshly installed tiles. This will keep tiles from shifting, minimize adhesive displacement, and prevent wet adhesive from oozing up and getting onto the surface of the tiles. This can be accomplished by creating work zones outlined with parallel chalk lines. Create work zones that are no wider than the installer's comfortable arm reach and in multiples of the tile width. Measure and snap chalk line parallel to the established base line. Spread adhesive within the work zone, and begin installing tiles using the row-by-row method, as shown in Figure B under "Metroflor LVT Resilient Plank Installation" (next section).

TIP: Do not apply more adhesive than can be worked within the recommended working time. Always follow the adhesive manufacturer's recommendations.

IMPORTANT: All Metroflor LVT flooring must be rolled with a minimum 100lb roller after installation. Use a hand roller in areas that cannot be reached with a 100lb roller.

METROFLOR LVT RESILIENT PLANK INSTALLATION

STEP 1: SQUARE THE ROOM

To square the layout of the room, find the center of one end of the room. Locate the same point at the other end-wall. Snap a chalk line between these points to mark the center line on the floor. Then, measure along this center line to find the middle of the room. At the center point, mark off a line across the room at precise right angles

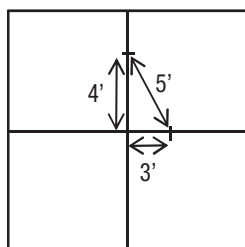


Figure A

to the first line. This can be accomplished using the 3-4-5 triangle method. Starting from the center point, make a mark measuring 4 feet vertically and 3 feet horizontally. Connect the marks with a diagonal line to complete the triangle. If the diagonal line does not measure exactly 5 feet, then the center crossing lines are not at a true right angle. (See Figure A)

TIP: For large rooms, multiples of the above dimensions may be used to obtain greater accuracy. (6-8-10, 9-12-15, and so on.)

STEP 2: INSTALL THE PLANKS

After snapping the center starting chalk lines, spread the appropriate Prevail adhesive on the center lines, leaving portions of the lines at center and near each wall uncovered. Start laying the planks from the right angle formed by the center lines. Lay the material from the center of the room, working towards the walls as shown. It is imperative that the first row is placed precisely and accurately against the reference line as you install. Make sure each plank is flush against the chalk line and tight against the adjoining plank. The ends of the planks should align perfectly. Lay row-by-row or in pyramid fashion (See Figures B & C).

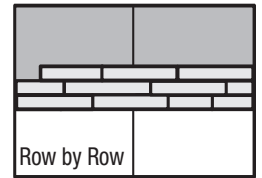


Figure B

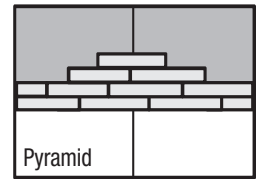


Figure C

TIP: Pay special attention to the edges of the planks. Do not slide the planks through the adhesive as you install.

IMPORTANT: All Metroflor LVT flooring must be rolled with a minimum 100lb roller after installation. Use a hand roller in areas that cannot be reached with a 100lb roller.

Note: Only Prevail adhesives are approved and warranted for use with Metroflor LVT. Bond issues resulting from the use of non-recommended adhesives are not warranted. All warranties and guarantees pertaining to the suitability and performance of any product not recommended by Metroflor Corporation rests with the material manufacturer or the installation contractor and NOT with Metroflor Corporation. The condition of the subfloor and bond issues resulting from the use of non-recommended, improper, or incorrectly prepared adhesives, sealers, embossing levelers, patches, concrete, gypsum-based products and other such items, are the sole responsibility of the installer and/or manufacturer of the particular sub-flooring product.