

Chesapeake LVT Installation Instructions

(Savannah, Charleston, Hartsfield, and Tidewater Glue Down)

PRODUCT HANDLING AND SITE CONDITIONS

1.1- Store cartons of tile and/or plank flat with cartons stacked one on top of the other. Do not store on end or allow cartons to bend during storage or transportation.

1.2- Acclimate product to job site conditions by delivering all materials (including adhesive and maintenance products) to the job site at least 2 days (48 hours) before installing. Store at of 65° to 80° Fahrenheit for 48 hours before installing.

1.3- The area to receive the resilient flooring materials and adhesives should be maintained at a minimum of 65 degrees F (18 degrees C) and for 48 hours before installation, during installation and 48 hours after completion. Maintain a minimum temperature of 55 degrees F (13 degrees C) thereafter.

1.4- To prevent damage to the newly installed flooring, the installation of flooring products should be *after* all other trades have completed their work.

1.5- To prevent adhesion problems, areas to receive resilient flooring shall be permanently dry, clean, smooth, and structurally sound. They shall be free of dust, solvent, paint, wax, oil, grease, residual adhesive, adhesive removers, curing, sealing, hardening, or parting compounds, alkaline salts, excessive carbonation or laitence, mold, mildew, and other foreign materials that might prevent adhesive bond.

1.6- Prior to installation, all cartons must be inspected for same dye lot or run number. When installing, pull from 3 or more cartons at a time.

Suitable Substrates

All substrates listed below must be properly prepared and meet certain requirements.

- Concrete all grade levels (see acceptable moisture limits on page 1)
- Approved suspended wood underlayments
- Ceramic tile, terrazzo, marble
- Polymeric poured (seamless) floors
- Radiant Heated subfloors not exceeding 85°F
- Fully adhered single layer existing resilient flooring (not cushioned)

Do not install over:

- Particleboard, waferboard, OSB or single-layer Sturd-I-Floor panels
- *Existing resilient tile floors that are below grade
- Existing cushioned vinyl flooring
- *Existing adhesive residue
- Carpet
- Painted subfloors
- Hardwood flooring that has been installed directly over concrete
- Sleeper System Subfloors

Unacceptable substrates that can be covered, should use a 1/4-inch or thicker panel underlayment recommended commercial use. Consult underlayment manufacturer for recommended uses, warranty, joint spacing, nailing or stapling pattern and seam treatment for underlayment panels.

***WARNING: EXISTING IN-PLACE RESILIENT FLOOR COVERING AND ASPHALTIC ADHESIVES. DO NOT SAND, DRY SWEEP, DRY SCRAPE, DRILL, SAW, BEADBLAST, OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT, ASPHALTIC "CUTBACK" ADHESIVE, OR OTHER ADHESIVE.**

These **existing in-place** products may contain **asbestos fibers** and/or **crystalline silica**.

Avoid creating dust. Inhalation of such dust is a cancer and respiratory tract hazard.

Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm.

Unless positively certain that the existing in-place product is a nonasbestos-containing material, you must presume it contains asbestos.

See current edition of the Resilient Floor Covering Institute (RFCI) publication Recommended

Work Practices for Removal of Resilient Floor Coverings for instructions on removing all resilient floor covering structures.

The floor covering or adhesive in this package does NOT contain asbestos.

Job Conditions/Preparation

Substrates must be sound, dry, clean, smooth, and free from excessive moisture or alkali. Remove dirt, paint, varnish, wax, oils, solvents and other foreign matter that would interfere with a good bond such as curing agents and sealers. In renovation or remodel work, remove any existing adhesive residue.

Layout:

Whenever possible, plan the layout so that the joints in Luxury Vinyl Tile planks do not fall on top of joints or seams in the existing substrate.

The end joints of the planks should be staggered a minimum of 6" apart and must be installed with the arrows pointing in the same direction.

Tiles may be installed with arrows pointing in the same direction, quarter turned or randomly installed for customized visuals.

Do not install over expansion joints.

Determine which direction the planks will run. Find the center of each of the end walls (the walls perpendicular to the long dimension of the planks) and place a pencil mark on the floor.

Connect these points by striking a chalk line down the center of the room.

Do a dry layout of planks from the center line to the wall running parallel to the long direction of the planks to determine the width of the last row of planks.

Porous Substrates with Mapei EC0 300, 360 or DriTac 6200 Or DriTac 5000:

Move the chalk lines to the corner or end of the room farthest from the doorway. These lines should be two or three feet from the wall depending on your reach

1. Apply the Adhesive in 2' or 3' bands being careful not to cover the chalk lines. Do not apply more adhesive than you can cover within 20 minutes. Allowing a 10 minute open time and fitting the border tile tightly will reduce tile shifting and adhesive oozing. **DO NOT** allow the adhesive to dry completely.
2. Install the tile along the chalk lines. Wood plank visuals must be installed with the arrows pointing in the same direction. Square and rectangle tiles may be installed with arrows pointing in the same direction, quarter turned or randomly installed for customized visuals. Install the field area first and then fit in the border tile.
3. Immediately remove any adhesive from the surface of the flooring using a clean, white cloth dampened with a neutral detergent and water. Roll the tile in both directions within 30 minutes after installation using a 100-lb. roller.
4. Do not work on newly installed tile except to roll tile. If unavoidable, use a kneeling board.
5. Repeat steps 1 through 4 until the installation has been completed.
6. Do not allow traffic for 24 hours after installation. Newly installed flooring should not be exposed to rolling load traffic for at least 72 hours after installation to allow setting and drying of the adhesive.

Non-Porous Substrates with Mapei ECO 360, DriTac 6200 Or DriTac 5000:

1. Line off entire area to be installed.
2. Apply the Adhesive over the area, being careful not to cover the chalk lines.
3. You may prefer to install one quarter of the room at a time by starting in the center of the room.
4. Allow the adhesive to set until dry-to-touch, following the recommended open time. To test, press your thumb lightly on the surface of the adhesive in several places. If the surface feels slightly tacky as your thumb is drawn away and does not stick to your thumb, the adhesive is ready for installation.
5. Install the tile along the chalk lines. Wood plank visuals must be installed with the arrows pointing in the same direction. Tiles may be installed with arrows pointing in the same direction, quarter turned or randomly installed for customized visuals. Install the field area first and then fit in the border tile.
6. Immediately remove any adhesive from the surface of the flooring using a clean, white cloth dampened with a neutral detergent and water. Roll the tile in both directions within 30 minutes after installation using a 100-lb. roller.
7. Do not allow traffic for 24 hours after installation. Tile should not be exposed to rolling load traffic for at least 72 hours after installation to allow setting and drying of the adhesive.

N+Plus Spray Adhesive System (Porous and Non-porous substrates)

1. Ensure that the substrate is dust free. This may require a damp mopping
2. Line off entire area to be installed.
3. Apply the N+Plus Spray Adhesive over the area, being careful not to cover the chalk lines.
4. In a smooth continuous movement walking backwards, holding the can at your side depress the adhesive button and apply the spray adhesive to the substrate
5. You may prefer to install one quarter of the room at a time by starting in the center of the room.
8. Allow the adhesive to set until dry-to-touch, following the recommended open time. To test, press your thumb lightly on the surface of the adhesive in several places. If the surface feels slightly tacky as your thumb is drawn away and does not stick to your thumb, the adhesive is ready for installation.
9. Install the flooring along the chalk lines. Install the field area first and then fit in the border tile.
10. Immediately remove any adhesive from the surface of the flooring using a clean, white cloth dampened with a neutral detergent and water. Roll the tile in both directions within 30 minutes after installation using a 100-lb. roller.

‡Tidewater Loose Lay

1. Ensure that the substrate is dust free. This may require a damp mopping.
2. Dry fit a row of planks first to determine if you need to adjust the length of the first plank to avoid a small piece of less than 12" on the opposite wall from where you started.
3. Using the N+Plus Spray Adhesive or the N+Plus Rayon Tape, apply a band around the perimeter of the installation.
4. Installation should start in a corner and proceed from the wall.
5. **Tidewater MUST be installed tight against the perimeter walls.**
6. If your seam appears loose or gapped, pull up the planks and reposition them.
7. The end joints of the planks should be staggered a minimum of 6" apart and must be installed with the arrows pointing in the same direction.
8. Start row 2 with the plank cut at about 2/3 length of a plank (approximately 2 feet).
9. Snuggly fit the corner of the plank started tightly against the other.
10. Start row 3 with the plank cut at 1/3 length of a plank (approximately 2 feet).
11. Continue staggering the rows throughout the installation.

‡ Casa Clic

1. Loosely lay a row of loose planks without securing them to each other to first determine if you need to adjust the length of the first plank to avoid a small piece on the opposite wall from where you are starting. You can also measure the length of the room and divide by length of the plank or tile.
2. Start in a corner (left hand) and proceed from the wall with the tongue facing out away from the wall. Allow a minimum gap of 1/4" for subfloor movement or product expansion. Use spacers to help keep plank steady and straight. Tongue facing out from wall.
3. When laying the first row in a straight line interlock the short ends by inserting the tongue into the grooves at an angle of approximately 10 - 20 degrees.
4. Install each sequential plank in row 1 engaging the short end and lining them up evenly. There should be no gap visible between planks. If your seam appears not to be tight, you can lift up the plank and relock it.
5. Stagger the rows so that the joints are not in a straight line and have a minimum stagger of 6" another joint.
6. Start row 2 with the plank cut at about 2/3 length of a plank (approximately 2 feet) to create a staggered pattern.
7. Position plank at a 10 to 20 degree angle. Then push down and snap plank in place.
8. For the next plank in row 2, interlock the short end first, leaving it slightly away from the long side and then gradually slide the long side into place holding the plank at a 10 to 20 degree angle. Then push down and snap plank in place.
9. Keep repeating this process until end of room is completed.

‡ Casa Clic and Tidewater floating installations should not be exposed to direct sunlight for prolonged periods. It can result in excessive temperatures that may cause extreme expansion of the product. The use of drapes or blinds is recommended during peak sunlight exposure.

Adhesives and Trowel Notching

Adhesive	Item #	Trowel Notching	Spread Rate	Open Time	Working Time
N+Plus Spray Adhesive	CHLNPPSA1	Spray	150 – 185 sq. ft./gallon	Until dry to touch	4 hours
N+Plus Rayon Tape	CHLRY-3100	None	100 lineal feet/roll	None	Unlimited
Mapei ECO 300	MAP93064 (4 gallon) MAP1003004 (1 gal)	1/32" deep x 1/16" wide x 1/32" apart U notch	185 - 245 sq. ft./gallon	0 minutes set in wet	15–20 minutes
Mapei ECO 360	MAP93664 (4 gallon) MAP93653 (1 gallon)	1/32" deep x 1/16" wide x 1/32" apart U notch	185 - 245 sq. ft./gallon	5-10 minutes set in wet	2 hours
DriTac 6200 (Porous)	62004P (4 gallon) 62001P (1 gallon)	1/16" x 1/16" x 1/16" Square Notch (TR8)	200 sq. ft./gallon	5-10 minutes set in wet	3 hours
DriTac 6200 (Non-Porous)	62004P (4 gallon) 62001P (1 gallon)	1/32" deep x 1/16" wide x 1/32" apart U notch	300 sq. ft./gallon	Until dry to touch	3 hours
DriTac 5000 (Porous)	50004 (4 gallon) 50001 (1 gallon)	1/16" x 1/16" x 1/16" Square Notch (TR8)	200 sq. ft./gallon	5-10 minutes set in wet	3 hours
DriTac 5000 (Non-Porous)	50004 (4 gallon) 50001 (1 gallon)	1/32" deep x 1/16" wide x 1/32" apart U notch	300 sq. ft./gallon	Until dry to touch	3 hours