



# Installation quickfacts for Altro Lavencia

updated 03/28/2024

For full and in-depth installation and maintenance information, refer to the full guides available online at [altro.com/techdocs](http://altro.com/techdocs)

## Adhesive based on flooring

Altro Lavencia (glue down)*	Altro EcoFix 65 Spray Altro EcoFix+
Altro Lavencia click	n/a
Altro Lavencia loose lay	n/a

Apply adhesive with a 1/32" deep x 1/16" wide x 1/32" notched trowel.

\*See [glue down instructions for additional information](#)

## Pre-installation

Deliver all materials to the installation location in its original packaging with labels intact. Do not stack pallets to avoid damage. Remove any plastic and strapping from packaging after delivery. Inspect all material for proper type, color and matching lot numbers.

## Acclimatizing material

- HVAC must be in permanent operation prior to installation.
- Installation area and Altro materials must be maintained and installed between 68°F (20°C)-85°F (29°C).
- A minimum temperature of 68°F (20°C) must be maintained for 72 hours before, during, and after installation.
- Maintain an ambient relative humidity between 40% and 60% for a period of 72 hours prior to installation, during the installation and for the service life of the installation.
- Do not proceed with installation until all conditions have been met.

## Product limitations

- Do not install flooring material over LVT, cushioned vinyl, hardwood flooring, cork, rubber, or asphaltic materials.
- Do not install flooring material in outdoor areas and in or around

commercial kitchens or areas that may be exposed to animal or vegetable fats and oils, grease and petroleum-based hydrocarbons.

- Do not install in areas that may be subjected to sharp, pointed objects.
- Do not allow product to be directly exposed to direct sunlight or extreme heat sources, such as radiators, ovens or other high-heat equipment.
- Long term, extended or excessive exposure to Sunlight & UV Heat can cause discoloration or other undesirable effects, so use caution and/or window treatments in these areas.
- Dragging or sliding objects across the flooring may cause damage to the flooring.
- May be susceptible to staining from rubber tires, casters or rubber-backed walk-off mats, as well as harsh disinfectants, cleaning agents, dyes or other harsh chemicals – ensure all chemicals and materials that may come in contact with flooring surface will not stain, mar or otherwise damage the flooring material prior to use.

## Substratum preparation

- Patching materials used on the substrate must be Portland-cement based patching compound. Gypsum-based products may be unsuitable. Silicate-based admixes and sprays are unsuitable.
- Concrete surface pH should not exceed 9.9 alkalinity.
- Test results are only indicators of current moisture conditions at the time of testing and do not predict future moisture conditions.
- If test results exceed the prescribed limits, a moisture mitigation product must be installed prior to proceeding with installation.
- All concrete on or below grade must have a fully functioning and intact subslab moisture vapor barrier.
- Substrate should be smooth, clean and dry.
- Do not use markers, pens, construction crayons, tapes or paints on the subfloor. This may bleed through and cause permanent staining.
- It is recommended that all substrates have a floor flatness of FF32

and/or a flatness tolerance of 1/8" in 6' or 3/16" in 10'. Substrates that do not meet this requirement should have a compatible cementitious patch or self-leveling underlayment installed to flatten the installation area.

- Do not use solvent, citrus, or soy based adhesive removers prior to installation.
- Follow all applicable local, state and federal regulations and laws pertaining to saw cutting, grinding and patching work of concrete; all work is to comply with OSHA 3902 Respirable Crystalline Silica Standard.
- Wood substrates must be prepared in accordance with ASTM F1482.

## Loose lay moisture or sound control products

When installing over loose lay moisture or sound control products, please contact Technical Services with the product information you are installing over for further directions.

## Glue down installation

If using a sound deadening underlayment it should be no thicker than 2.5mm.

- Areas that will have excessive window/sunlight exposure from walls or ceilings such as sunrooms, window walls, skylights, etc. these type areas EcoFix+ should be used. Other areas may be installed with EcoFix 65 Spray adhesive or EcoFix+.
- Some flooring products, colors and textures have latent and acceptable color and shade variations. If there are concerns regarding shade or color variation, do not install material and consult a sales representative and manufacturer's technical staff.
- Ensure substrate is clean, dry, flat, and sound prior to installation.
- Determine lay out for the area if not provided by dry laying the material within the area. Cut borders and other specialty pieces to fit snugly against or around walls, thresholds, transition strips, fixtures and other protrusions or accessories. Ensure material around perimeter is 1/8" from wall or less, depending on depth of wall base or trim. Ensure all end seams are a minimum of 6" apart.
- Use a nail-down guide or equivalent along starting row to expedite wet-set installation. Apply adhesive according to instructions for specific product in use and observe adhesive flash times, if applicable. Ensure all adhesive working times are observed and followed.
- Install material into adhesive and observe directional arrows on back of tile to ensure arrows are installed in the same direction, unless installing in a specific and pre-determined design, such as a herringbone design. For larger installations, use a pyramid layout when installing planks to eliminate run-off.
- When installing into adhesive using a wet-set method, avoid walking or working on material until adhesive has cured for light foot traffic. Working on material that is installed into wet adhesive could cause adhesive to displace. When working off of material is not possible, use a kneeling board or equivalent to disperse weight evenly and prevent adhesive displacement. Pay close attention to working time to avoid adhesion issues. This may require installing material in smaller sections. Replace trowels at recommended intervals to maintain proper trowel ridge and spread rate.

- Periodically lift material to ensure proper adhesive transfer.
- Roll material with a 3 section, 100 lb. roller within 30 minutes of installation, crossing in a perpendicular direction after initial roll. Use a hand roller in areas that cannot be reached with larger roller.

## Click flooring installation

If using a sound deadening underlayment it should be no thicker than 2.5mm. Substrate flatness is critical when installing loose lay click flooring. Any unevenness in the substrate could cause flooring to move or planks to slide.

- Ensure substrate is clean, dry, flat, and sound prior to installation.
- Dry-lay several planks to establish the best layout for the installation area and facility and ensure equal plank sizes around the perimeter if possible. Allow a 1/8" gap around the entire perimeter of the room to allow for expansion.
- When cutting square ends the use of a laminate cutter, chop saw, or the scribe and snap method can be used.
- Avoid forcing material tightly against vertical surfaces, as material may buckle. When necessary, use a jamb saw or multi-tool to undercut door jambs or moldings to allow material to slide underneath for a seamless installation. Ensure all end seams are a minimum of 6" apart and that flooring seams do not directly align with seams in the substrate.
- Starting at one corner of the installation area, install the first plank with shorter tongue towards the corner and back starting wall and longer tongue facing towards open room and the opposite corner. Install the next plank adjacent to the first plank, overlap the interlocking tab ensuring edges are aligned. Make sure seams are tight without any size (large or small) gaps. If necessary, use a straight edge, level or equivalent to ensure back edges are aligned. Use a hand roller or non-marking rubber mallet to firmly secure the end seams. End seams should be level and flush when secured and not overly compressed.
- Use a new plank to start a new row, staggering the end seams in a random or pre-determined pattern. Start by holding the plank at a slight angle while interlocking the length of the planks together. Once completely engaged lower the plank flat ensuring there are no gaps.
- After installing the first row of planks, align and interlock length of next by lightly butting corner of first plank. Do not over compress to first plank. Drop into place and hand roll all seams for a tight and level fit. Proceed with rest of installation. End cuts from one row at finishing wall can be used to start next row.
- Once the installation has reached the center line, shift or adjust entire installed flooring section if needed. Proceed with installation of the remainder of the room. Once the adjacent wall is reached cut perimeter planks to fit remaining gap. When cutting planks lengthwise the use of a table saw would be recommended. When installing plank flooring in rooms with more complicated layouts, greater attention to detail will need to be observed to eliminate smaller fill pieces at ending walls.
- When installing material in heavy use areas, doorways or where flooring installation changes direction, apply adhesive along doorway or along seam and create an "X" pattern with adhesive to prevent excessive flooring movement. Visually inspect installation to ensure that material has not shifted and that all seams are tight.

## Loose lay flooring installation

Prior to installing, ensure product is applicable for a loose lay installation. Typically these are 4mm in thickness or greater. Installing a product not designed for loose lay installation will be considered an installation issue and void the product warranty. If using a sound deadening underlayment it should be no thicker than 2.5mm. Any unevenness in the substrate could cause flooring to move or planks to slide.

- Ensure substrate is clean, dry, flat and sound prior to installation.
- Ensure to allow a 1/8" gap around the entire perimeter of the room to allow for expansion.
- Apply adhesive along starting row and along perimeter of initial installation area according to instructions for specific product in use. Ensure the width of the adhesive installation is no less than the width of two planks.
- When installing material in heavy use areas and through doorways or when flooring installation changes direction, apply adhesive along doorway or along seam and create an "X" pattern to prevent excessive flooring movement.
- Roll material with a 3 section, 100 lb. roller within 30 minutes of installation, crossing in a perpendicular direction after initial roll. Use a hand roller in areas that cannot be reached with larger roller. Visually inspect installation to ensure that material has not shifted and that all seams are tight.

## Protection

Flooring should be covered and protected from all other trades during construction with a suitable non-staining protective covering such as Masonite™ or Ram Board®.

## Initial maintenance

1. Do not begin any maintenance procedure until all adhesives have set (excluding loose lay floors & click flooring installations that do not require the use of adhesive), generally 72 hours after the completion of the installation.
2. Sweep or vacuum floor surface to remove all loose dust and debris.
3. Prepare cleaning solution with fresh, warm water and AltroClean 44. A dilution rate of 1:40 (or up to 1:10 for heavy soiling) may be used. DO NOT FLOOD THE FLOOR.
4. Scrub with an auto scrubber (3 in 1 machine) or a standard low speed swing machine (150rpm to 350rpm) fitted with an Altro Unipad or equivalent pad.
5. If using a standard low-speed swing machine, remove wash water with a wet vac. Ensure the floor is thoroughly rinsed with fresh, clean water. No cleaning residue should remain on the floor.
6. Allow surface to dry thoroughly before use.

For full maintenance instructions please see "Cleaning guide for LVT floors."

**For further technical advice  
please contact 800.377.5597 or email  
[support@altro.com](mailto:support@altro.com)**