



Installation quickfacts for adhesive-free flooring

updated 06/03/2026

Altro Cantata, Altro Wood adhesive-free, Altro XpressLay and Altro Illustra adhesive-free

Installation quickfacts do not replace Altro's complete installation and maintenance library. For indepth information, Installation and Maintenance guides are available online at altro.com

Pattern matching

Altro XpressLay

No matching required.

Altro Cantata
Altro Illustra
adhesive-free

Reverse sheets to prevent banding. Slight pattern matching required.

Altro Wood
adhesive-free

Manufactured with a directional pattern. Lay from sheet to sheet with a random pattern match, avoid cross joints. Carefully check if drops match in shade. It may be necessary to reverse sheets to obtain a side shade match. If side shade match cannot be accomplished, do not install and contact Altro. Please see page 3 for a visual representation.

Adhesive based on flooring

Altro adhesive-free floor system approved installation tape

Contact your sales representative or Technical Services for flooring recommendations in wet areas.

Grooving depth

70%

Substrate preparation

- Patching materials used on substrate must be Portland-cement based patching compound. Gypsum-based products may be unsuitable. Silicate based admixes and sprays are not suitable.
- Moisture-tolerant patching and leveling compounds must be used in wet environments.
- Concrete surface pH should not exceed 9.9 alkalinity.
- A fully intact and efficient sub slab vapor barrier/retardant must be in place. Conduct moisture tests per ASTM F2170 on all concrete slabs regardless of age or grade level. Relative humidity tests must not exceed 98% RH. Test results are only indicators of current moisture conditions at the time of testing and do not predict future moisture conditions.

- If radiant heating is to be used, moisture content must not exceed 80% internal relative humidity as tested by ASTM F2170
- All concrete on or below grade must have a fully functioning and intact sub-slab 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.
- Wood substrates must be prepared in accordance with ASTM F1482.
- 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.

Acclimatizing material

- It is strongly recommended to use a permanent, operational HVAC system. If temporary systems are employed, they must ensure consistent control of both temperature and humidity. Altro specifically advises against using propane heaters, as they release moisture into the air, which can affect the tape adhesive bond, be absorbed by the substrate, and create condensation or a dew point issues.
- Installation area and Altro materials must be maintained and installed between 68°F (20°C)-85°F (29°C)
- Rolls should be kept standing upright, in a secure location to prevent toppling over, for a minimum of 72 hours at 68°F (20°C).
- A minimum temperature of 68°F (20°C) must be maintained for 72 hours before, during, and there after.
- Do not proceed with installation until all conditions have been met.

Fitting / laying

- Material should be checked for defects, unmatched dye lots, etc. If a fault has been found, do not proceed. Warranty claims against defective material will only be considered if the flooring has not yet been permanently bonded.
- Use pattern scribe, direct scribe or freehand knifing. Do not use markers, pens, construction crayons, tapes, or paints on the flooring. This may bleed through and cause permanent staining.

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- Cut into lengths as determined by the flooring design. Allow lengths to lay loose for 2 hours to assist in conditioning the flooring.
- Back roll lengths to take out any remaining tension in the product.
- The substrate area to receive the tape must be clean and dust free. Absorbent surfaces may need priming using a suitable acrylic primer, diluted acrylic adhesive or pressure sensitive adhesive. In accordance with manufacturer's instructions, spray adhesives used as primers should be avoided. The primed surface must be completely dry before installation starts.
- Lay all rolls and cuts in consecutive order and as described in the pattern matching chart.
- Cut the Altro adhesive-free flooring with approximately an 1/8" (3mm) gap from walls, toe kicks, columns, pipes or other abutments.
- Altro adhesive-free floor system approved installation tape should be placed on the substrate and centered under all seams and joints, as well as at the perimeter of the room.
- At all tape locations, hand roll the installed flooring into the tape.
- All flat laid areas of Altro adhesive free floor covering must be sealed around perimeters and exposed edges with AltroMastic 100 UC. This also applies to door frames and around fixtures and fittings.

Seams / heat-welding

- Seams may be heat-welded immediately after laying.
- Always test on a piece of scrap flooring before beginning heat-welding. If test piece shows scorching, lower temperature of the gun and progress slower.
- Do not gap the seams.
- All seams should be cut in net, grooved and heat-welded with the correct tools outlined in the Altro flooring installation guide.
- Ensure all seams are grooved to the correct depth, but not through the embossed PVC backing.
- All internal and external corners must be heat-welded.
- Altro recommends butterfly or v-plug on external corners.
- While warm, trim off the top layer of weldrod with a trim plate and spatula knife.
- Once cooled, trim the excess weldrod flush with the flooring using a spatula knife.
- For vertical seams and corners, use X-Acto blades to trim.

Drains and wet areas

Cutting the flooring material up to, or around, a drain, cleanout, trench drain, and other plumbing fixtures, is not a recommended installation method and will void the Altro Warranty. Please refer to our installation guide for the correct detailing or contact Altro technical services.

- Altro Cantata, Altro Wood adhesive-free and Altro Illustra adhesive-free are not intended for wet areas, however Altro Xpresslay may be provided proper detailing is completed.
- When Altro XpressLay is installed in a wet area contact Altro technical services for detailing and fixing information.
- A 6" band of Altro Quickfix 3042, AltroFix 30 or AltroFix ZERO should be applied around all areas prone to thermal shock, i.e., drains / drainage systems. Avoid placing joints that will need hot welding, where the band of adhesive is used, such as around drains. Altro Quickfix 3042 or Altrofix30 must be used with all wet area accessories (i.e. shower transition trim, gulley edge and gulley angle).

- **Surface membrane clamping style drains and cleanouts must be used.**
- Detailing guides for commercial kitchens and other wet areas can be found on our website under altro.com

Protection

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

Initial maintenance

- Sweep or vacuum floor surface to remove all loose dust and debris.
- Apply diluted* AltroClean 44 to the floor. For moderate soiling use a 1:40 dilution ratio. For heavy soiling use 1:10. Allow to sit for five minutes to allow the cleaner to attack the surface soil.
- Scrub floor with an automatic scrubber (3-in-1 machine) or a standard low speed swing machine (150rpm to 350rpm) fitted with an Altro Unipad™.
- 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.
- Allow surface to dry before use.
- Finish is not recommended and will lessen the slip-resistant properties of safety and slip-resistant flooring.

Additional information

- Asphalt and certain rubber products, like black rubber mats and rubber soled shoes, can cause staining on vinyl flooring. Please protect flooring and/or conduct stain tests.
- Altro assumes no liability for improper flooring installation or maintenance.
- Failure to install, heat-weld and/or maintain the floor correctly could void the warranty.
- Altro flooring must be installed by a professional flooring installer that has attended an Altro training clinic.
- The minimum operating temperature for all Altro adhesive-free products is 32°F (0°C). Xpresslay must be fully adhered to the subfloor in walk in coolers and freezers.
- Full installation procedures are available at altro.com



Alignment guide for wood-look sheet

Altro Wood, Altro Wood Comfort, Altro Wood Acoustic, Altro Wood adhesive-free

The Altro Wood collection is manufactured with a directional pattern. We recommend that the material is laid from sheet to sheet with a random pattern match and that cross joints should be avoided where possible. Carefully check if drops match in shade. It may be necessary to reverse sheets to obtain a side shade match. If side shade match cannot be accomplished, do not install and contact Altro.

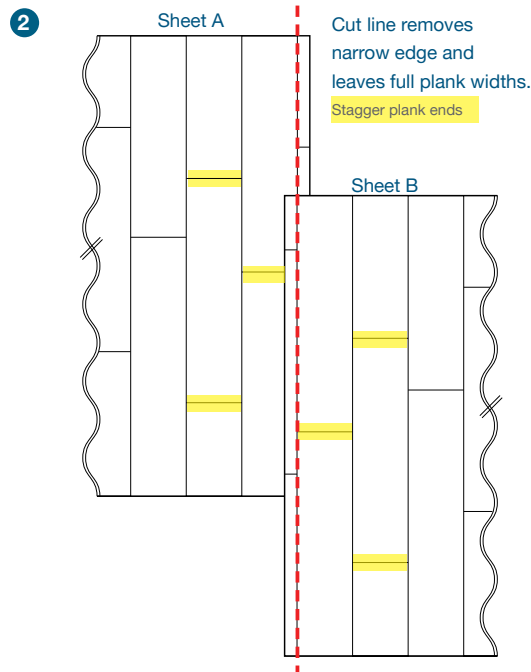
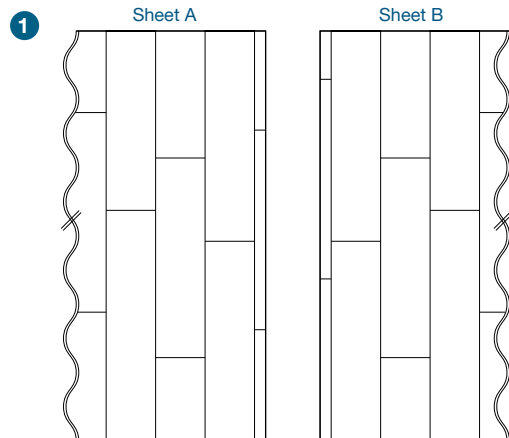
Diagram 1

Ensure that both sheets are laid out in the same direction.

Diagram 2

Stagger the two sheets so that plank ends do not line up. This is indicated in yellow highlighting. Both edges of the sheet have a narrow edge which needs to be trimmed to leave behind a full plank. Overlap sheet B over sheet A as indicated below and cut in the joint (indicated by the red line), cutting both sheets so that the joint runs down the edge of the plank.

Film	Plank length	Plank width	Repeat
Bleached Oak	2 x 19.7" (2 x 500mm)	3.94" (100mm)	3'3" (1m)
Rustic Oak			
Oak Traditions			
Washed Oak			
Manor Oak			
Farmhouse Oak			
Honey Oak			
Sessile Oak			
Autumn Maple	1 x 21.7" 1 x 17.7" (1 x 550mm, 1 x 450mm) (Alternating)	3.94" (100mm)	3'3" (1m)
Vintage Cherry			
Seasoned Cherry			
Urban Cherry			
Bavarian Oak			
Antique Walnut			
Spring Maple			
Slate Oak			
Honey Beech	1 x 13.12" (3 x 333.3mm)	2.5" (62.5mm)	3'3" (1m)
Castle Oak	3'3" (1000mm)	5" (125mm)	3'3" (1m)
Great Oak			
Worn Oak			



Note: If reversing sheets, the width of one plank width may need to be cut off and removed in order to keep a random pattern. This is to be determined by those on site.