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Installation quickfacts for smooth sheet flooring

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Installation quickfacts should not replace Altro's complete installation and maintenance library. For in-depth information, Installation and Maintenance guides are available online at altro.com/techdocs

Adhesive

Altro Symphonia	
Altro Orchestra	
Altro Operetta	
Altro Serenade	EcoFix 20E or
Altro Wood	EcoFix™ 35 Spray
Altro Wood Comfort	
Altro Wood Acoustic	
Altro Zodiac Smooth	

For adhesive-free floors, please refer to the Adhesive-free quickfacts document.

Grooving depth

All smooth sheet flooring should be grooved 1/3rd through the thickness of product.

Pattern matching

Altro Symphonia	No pattern matching. Do not reverse sheets.
Altro Orchestra	Reverse sheets to prevent banding. Slight pattern matching required.
Altro Operetta	
Altro Serenade	
Altro Zodiac Smooth	
Altro Wood	Manufactured with a directional pattern. Lay from sheet to sheet with a random pattern match, avoid cross joints. Do not reverse sheets. Please see page 3 for a visual representation.
Altro Wood Comfort	
Altro Wood Acoustic	

Substrate 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.
- Moisture-tolerant patching and leveling compounds must be used in wet environments although Altro does not recommend smooth sheet products in these environments.
- Concrete surface pH should not exceed 9.9 alkalinity.
- Conduct moisture tests per ASTM F2170 on all concrete slabs regardless of age or grade level. Relative humidity tests must not exceed 90% RH. Test results are only indicators of current moisture conditions at the time of testing and do not predict future moisture conditions.
- 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

- 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).
- 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 after installation.
- 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.
- 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 remove any remaining tension in the product.
- Lay all rolls and cuts with the method described under pattern matching on the previous page.
- Turn the material back and apply adhesive to the subfloor using a 1/32" deep x 1/16" wide x 1/32" apart notched trowel. In some instances a larger notch trowel may be required. Contact technical services if in question.
- After specified open time, smooth flooring into position and push out any air bubbles.
- Immediately remove any excess adhesive.
- Roll installed flooring slowly, in both directions, using a 100lb roller.

Seams / heat-welding

- Allow 24 hours between installation of floor covering and heat-welding.
- 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 30 - 40% depth.
- All internal and external corners must be grooved and 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

Altro does not recommend the use of smooth sheet flooring in wet areas. Please consult your sales representative for more information on slip-resistant and safety sheet flooring.

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 Symphonia bridges the gap between smooth and slip-resistant flooring. This product may be used in low to moderate

slip risk environments but should not be installed in high risk environments such as commercial kitchens. Please take care when using Altro Symphonia;

- Prevent water ingress to the subfloor.
- Clamping style drains must be used.
- AltroFix 30 adhesive must be used in all wet areas and all areas that have drains and plumbing fixtures.
- Altro QuickFix 3042 and/or AltroFix 30 adhesive must be used with all wet area accessories (i.e. Shower transition and Gulley Edge/Angle).
- Detailing guides for wet environments can be found on our website under altro.com/techdocs

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

- When possible, do not begin any maintenance until 72 hours after installation is completed.
- Sweep and 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.
- Smooth sheet flooring from Altro does not require a finish, but you may opt to use one by referencing the maintenance guide found on altro.com/techdocs

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.
- Full installation procedures are available at altro.com/techdocs

When installing Altro Wood, Altro Wood Comfort and Altro Wood Acoustic, please see next page for visual alignment of sheets. 



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Alignment guide for wood-look sheet

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

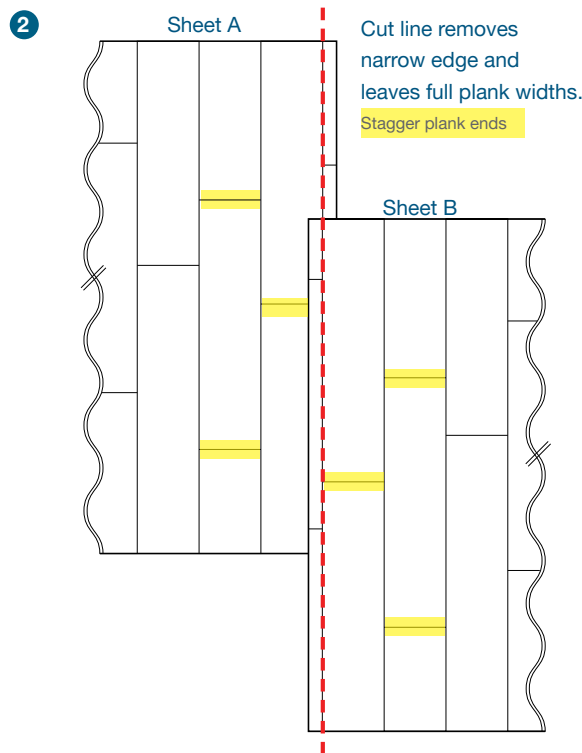
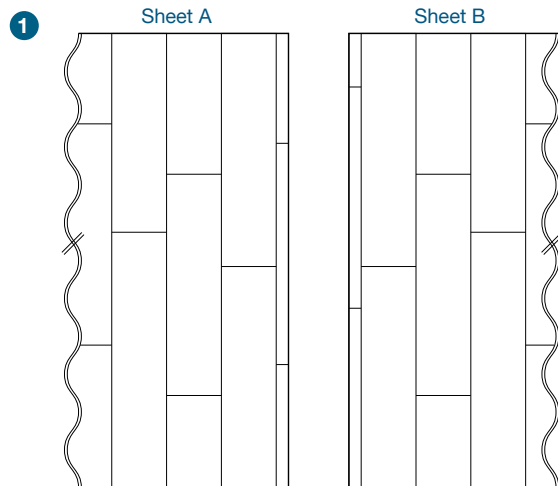
The Altro Wood collection is manufactured with a directional pattern. We recommend that the material is laid from sheet to sheet with a random pattern match and that cross joints should be avoided where possible.

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			
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			
Walnut Noir			
Antique Walnut			
Mellow Maple	1 x 13.12" (3 x 333.3mm)	2.5" (62.5mm)	3'3" (1m)
Spring Maple			
Honey Beech	3'3" (1000mm)	5" (125mm)	3'3" (1m)
Castle Oak			
Tower Oak			
Great Oak			
Worn Oak	3'3" (1000mm)	6.5" (166mm)	3'3" (1m)
Imperial Oak			
Sovereign Oak	Fine line		3'3" (1m)
Bleached Bamboo			
Warm Bamboo			