

# Installation quickfacts for safety and slip-resistant flooring

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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/techdocs](https://altro.com/techdocs)



Altro Safety Flooring has achieved ICC-ES product certification and is in compliance with the following plumbing code standards:

- ANSI/ICPA SS-1 2001, Performance standard for Solid Surface Materials
- IAPMO PS 106-2015e1, Tileable Shower Receptors and Shower Kits

By complying with these standards this means that Altro safety sheet vinyl flooring is approved to be used in showers or other wet areas.



For more info please scan the QR code.

## Adhesive based on flooring

Altro Stronghold 30 - 3.0mm	AltroFix 30, AltroFix ZERO
Altro Atlas 40 - 4.0mm	AltroFix 30, AltroFix ZERO
Altro Classic 25 - 2.5mm	AltroFix 30, AltroFix ZERO
Altro Aquarius - 2.0mm	AltroFix 30, AltroFix ZERO
Altro Illustra - 2.0mm	Ecofix+, AltroFix ZERO
Altro Marine 20 - 2.0mm	AltroFix 30, AltroFix ZERO
Altro Reliance 25 - 2.5mm	Ecofix+, AltroFix ZERO
Altro Walkway 20 - 2.0mm	Ecofix+, AltroFix ZERO
All wet areas, regardless of flooring selection, should use AltroFix 30 or AltroFix ZERO. Contact Technical Services for additional specific information on adhesive selection.	

## Grooving depth based on flooring

Altro Stronghold 30 - 3.0mm	75%
Altro Atlas 40 - 4.0mm	75%
Altro Classic 25 - 2.5mm	75%
Altro Aquarius - 2.0mm	90%
Altro Illustra - 2.0mm	30 - 40%
Altro Marine 20 - 2.0mm	75%
Altro Reliance 25 - 2.5mm	90%
Altro Walkway 20 - 2.0mm	90%

\*Altro Illustra is not intended for wet environments.

A separate quickfacts document is available for adhesive-free Altro XpressLay and Altro Cantata.

## 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 not suitable.
- Moisture-tolerant patching and leveling compounds must be used in wet environments.
- Moisture tests must be performed on all concrete slabs for Altro adhesives requiring testing, regardless of age or grade level, in accordance with the relevant ASTM standards. Results should not exceed the moisture and pH limits specified for the adhesive and flooring.
- For adhesives that require a vapor barrier, on-grade and below-grade concrete subfloors must have a verified vapor retarder that complies with the current ASTM E1745 standard, "The Standard Specification for Plastic Water Vapor Retarders Used in Contact with Soil or Granular Fill under Concrete Slabs."
- 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.
- 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 adhesive, 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.\*  
\*with exceptions to freezer/coolers and Altro Promenade installed in outdoor applications.
- 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.
- Ensure all lengths are laid in the same direction.
- Lay all rolls and cuts in consecutive order.
- Pattern matching is not necessary.
- 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, place flooring into position and push out any air bubbles.
- Immediately remove any excess adhesive.
- Roll installed flooring slowly, in both directions, using a 150lb sectional 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 the correct depth, but not through the mesh backing.
- 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

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.

- Care must be taken in wet environments to prevent water ingress to the subfloor.
- **The floor drain must have a surface membrane clamp and shall comply with ASME A112.18.2/CSA B125.2 as applicable.**
- Either AltroFix 30 or Altro ZERO adhesive must be used in all wet areas and all areas that have drains, clean-outs, trenches, floor sinks 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 commercial kitchens and other wet areas can be found on our website under [altro.com/techdocs](https://www.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.
- 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.
- Full installation procedures are available at [altro.com/techdocs](https://www.altro.com/techdocs)

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