



**altro**

# Installation quickfacts for safety and slip-resistant flooring

updated 12/03/20

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

## Adhesive based on flooring

Altro Stronghold 30 - 3.0mm      AltroFix 30

Altro Atlas 40 - 4.0mm      AltroFix 30

Altro Classic 25 - 2.5mm      AltroFix 30

Altro Aquarius - 2.0mm      AltroFix 30

Altro Reliance 25 - 2.5mm      Ecofix 20E

Altro Walkway 20 - 2.0mm      Ecofix 20E

Altro Tungsten - 2.0mm      Ecofix 20E

All wet areas, regardless of flooring selection, should use AltroFix 30. 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 Reliance 25 - 2.5mm      90%

Altro Walkway 20 - 2.0mm      90%

Altro Tungsten - 2.0mm      90%

## 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.
- 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.
- 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

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

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.
- **Clamping style drains and cleanouts must be used.**
- AltroFix 30 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@altrofloors.com](mailto:support@altrofloors.com)**