



altro

Installation quickfacts for safety and slip-resistant flooring

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Installation quickfacts should not replace Altro’s complete installation and maintenance library. For indepth information, Installation and Maintenance guides are available online at 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 compounds and/or silicate-based admixes and sprays are unsuitable.
- 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 at job site must be operational prior to installation.
- Set HVAC at 68°F / 20°C for 72 hours prior to installation.
- 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.
- HVAC should remain at 68°F / 20°C before, during and 72 hours after installation.

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.

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

- 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

- 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

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

**For further technical advice
please contact 800.377.5597 or email
support@altrofloors.com**