



AltroFix™ ZERO

1-part hybrid urethane adhesive for challenging, wet environments with zero testing and zero concerns

Pursuing moisture control can consume both precious time and finances. However, AltroFix™ ZERO offers an effective solution to halt moisture-related delays. Crafted using a secure, single-part, moisture-curing formula, AltroFix™ ZERO presents a swifter and more user-friendly option compared to two-component epoxy systems. This 1-part hybrid urethane is expertly designed to withstand heavy rolling loads and the demanding conditions of wet environments.

Features and benefits

- Simple one-step installation without the need for stirring or mixing
- Cost-savings potential
- No need for moisture or pH testing
- **No requirement for a sub-slab moisture barrier***(see next page for details)
- Resists liquids topically, including water and spills
- Establishes a lasting, waterproof connection
- Features a self-repairing, elastic membrane
- Impressive resistance to plasticizer migration
- Speedier construction schedule and occupancy times achieved
- Achieves full cure in just 6 hours (for heat-welding, wet mopping, stripping/finishing)
- Handles extreme heavy rolling loads with ease in 8 hours
- Accommodates various types of flooring during installation
- FloorScore certified - exhibits low VOC levels and an exceptionally faint odor
- 1 year shelf life

Suitable substrates

- APA underlayment grade plywood
- Cement backer board
- Cementitious and anhydrite screeds
- Concrete and radiant heated subfloors that do not exceed 85°F (30°C)
- Existing well-bonded non-cushion-backed vinyl, tile and sheet flooring
- Fully secured cork underlayments
- Gypsum and lightweight concrete (may require priming)
- Terrazzo (properly prepared with all waxes and surface finishes removed)
- Metal substrates (must be clean, rigid, and lightly sanded)



For further installation instructions, consult the adhesive label. Adhesive coverage is only an approximation based on experience, subfloor texture and porosity, Altro does not warrant nor guarantee actual adhesive coverages.

Sustainability

Altro is fully committed to sustainability. Through careful product development, our expert team of technicians and chemists have worked to develop healthy, cost-effective adhesives that perform and are compliant with even the most stringent environmental regulations.

This product complies with South Coast Air Quality Management District VOC requirements and contains less than the maximum of 100 g/L; and contains less than the maximum of 150 g/L (Indoor Floor Covering) per the Ozone Transport Commission.

LEED facts
LEED v4 This product may help contribute to the following credits
AltroFix Zero **1**
Environmental quality
Low emitting materials, adhesives **1**

Discover more of our sustainability story and credentials at [altro.com](https://www.altro.com)

Available in 2 gallon [ALZERO_2.0]



Cost savings

- Skip testing - Can save \$0.15/ft² by not having to do a moisture or pH test
- Start installing - Save days or weeks by avoiding costly construction delays
- Save \$4-5/ft² by not having to bead blast, skim coat, or use a 2-part epoxy system
- Savings are based on an estimated national average and may vary based on location and job site.

Substrate testing

- RH – No testing required [100%] [ASTM F2170]
- pH – No testing required [5-14]
- MVER – No testing required [ASTM F1869]
- POROSITY – CSP 1+, must pass [ASTM F3191]

Substrate and surface preparation

Follow flooring manufacturer's guidelines. Substrate must be prepared per ASTM F710 standards including, but not limited to the following:

- Concrete floors must be dry, clean, smooth and structurally sound. They shall be free of any foreign materials that might prevent adhesive bond, including dust, dirt, solvent, paint, wax, oil, grease, adhesive removers, residual adhesive, incompatible sealers, fire-retardant chemicals, fungicides, release agents, alkaline salts, excessive carbonation, laitance, mold, mildew, and curing, sealing, hardening or parting compounds.
- Fill all surface cracks, grooves, depressions, control joints and non-moving joints with moisture resistant patching and self-leveling compounds, allow to fully cure and correct high spots before applying adhesive.
- The adhesive and flooring must be acclimated in an enclosed building with the HVAC operational between 68°F - 85°F (20°C - 29°C) for at least 72 hours before, during and there after the installation. Slab temperature is to be between 65°F - 80°F (18°C - 27°C). Relative humidity is to be between 30-65% relative humidity.
- When installing over radiant heated subfloors, turn the heat off for 24 hours before, during and after installation. Failure to turn the heat off may result in shortened working time of the adhesive. When turning radiant heat back on, raise it incrementally, not to exceed a change of more than 5 degrees per hour to a maximum of 85°F (29°C).

Precautionary notes:

Concrete must be placed in strict accordance with applicable standards and specifications. Concrete must be fully cured (at least 45 days), porous (see ASTM F3191), without hydrostatic pressure, without pressurized liquid from any source, and free of surface alkaline salt crystallization. Flooring must be acclimated per manufacturer's guidelines.

Application instructions

AltroFix ZERO may only be used as a wet-set adhesive. Follow the Altro flooring installation guidelines for layout, design and any special precautions for installation.

1. Spread adhesive using a 1/32" x 1/16" x 1/32" U notched trowel. Adhesive ridges will dissipate, and AltroFix ZERO does not require back-rolling under normal circumstances.

2. DO NOT allow the flooring to "flop" into place. This may cause air to be entrapped beneath. It's important to use a cork press/three - section hand roller while gradually rolling out the sheets onto the adhesive. In this way, you will avoid catching air under the sheets that may cause blisters later on.
3. Install flooring per the instructions below. Do not walk, kneel, or work directly on top of flooring without the proper use of knee-boards for at least 60 minutes after flooring is installed.
 - Install flooring immediately after adhesive is spread.
 - Working time is approximately 45 minutes under acceptable temperature and humidity conditions.
 - Periodically lift flooring material to verify proper transfer of adhesive.
 - Weight may be required to reduce end curl while the adhesive sets.
4. Roll and cross roll floor with a 75-100 lbs (34-45 kg) roller at the end of the installation to ensure proper transfer of adhesive.
 - Wait a minimum of 1 hour, but no more than 2 hours, after the installation to roll and cross roll floor.

Precautionary notes:

- Use of knee-boards is required when working on top of freshly installed flooring (60+ minutes).
- Wait 6 hours before heat-welding sheet goods.
- Wait 6 hours before wet mopping, stripping/finishing the floor.
- Reseal lid when not in use to protect product.
- 3 hours light traffic, 4 hours heavy traffic, 8 hours heavy rolling loads.

Required Tools and coverage

Trowel dimensions are 1/32" x 1/16" x 1/32" spacing. Coverage is approximate 131-180sf/gal and may vary depending on porosity of substrate and the angle at which the trowel is held.

Cleaning instructions

- While product is still wet: Use a damp cloth and water to remove.
- While product is still soft: Use a remover/stripper, denatured alcohol or mineral spirits. Always check compatibility on a piece of scrap flooring.

Storage

This product should be stored at temperatures between 68°F - 85°F (20°C - 29°C). While this product is freeze-thaw stable, it is necessary to protect it from freezing. Freeze/thaw stable to 10°F (-12°C).

CAUTION: DO NOT take internally. If swallowed, **DO NOT** induce vomiting. Call a physician immediately. **KEEP OUT OF REACH OF CHILDREN.**