



# Installation quickfacts for Altro Walkway 20SD

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

## Adhesive based on flooring

Altro Walkway 20SD - 2.0mm      AltroFix SD70

If installing in a wet area with Walkway 20SD contact Technical Services for additional information.

## Grooving depth based on flooring

Altro Walkway 20SD - 2.0mm      90%

Altro Walkway 20SD is a static dissipative safety flooring that will dissipate static electricity when properly installed.

The installation of Altro Walkway 20SD is the same as all Altro safety floor coverings with the exception of using a static conductive adhesive and the possible requirement for grounding the installation.

**Warning:** It is imperative that no sealers or acrylic floor finishes be applied to the surface of Altro Walkway 20SD as they would interfere with the static dissipative system.

Excessive cleaning or the use of floor finishes and sealers can adversely affect the electrical properties of the floor. Also, some cleaning agents can leave a film and are unsuitable for use with static dissipative floors – check with the manufacturer of the cleaning agent before use.

## 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.
- 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 subslab 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.
- A minimum temperature of 68°F (20°C) must be maintained for 72 hours before, during, and there after.

## 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 1/16" square notched trowel.
- 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.
- Comply with OSHA 3902 Respirable Crystalline Silica Standard.

## Copper grounding strips

- The decision whether or not to use copper grounding strips with Altro Walkway 20 SD flooring depends on several factors and should be determined by professionals like an electrical engineer, rather than Altro. Concrete subfloors often provide natural grounding, so copper strips may not be necessary unless there's a specific requirement. Factors such as the environment, activities performed, humidity levels, equipment used, and types of footwear can all influence whether grounding strips are needed.

## Concrete subfloors

- Concrete subfloors provide a natural grounding when Altro Walkway 20SD is installed using a static-conductive adhesive. Therefore grounding may not be necessary, unless a resistance to ground requirement has been specified. The concrete floor must be dry, smooth and free of any foreign substances on the surface.
- When using our Altrofix SD70 Adhesive our recommended trowel size is a 1/16" square notched trowel and covers approximately 110 - 130 square feet per gallon.
- Static conductive adhesive is to be spread in accordance with the manufacturer's instructions. Altro Walkway 20SD is to be placed into the adhesive while the adhesive is in a tacky/wet state. If any bubbles occur, you should allow slightly more open time. Immediately roll with a minimum 100 lb (45kg) roller to remove any air and to ensure complete contact between the subfloor and the back of the sheet vinyl.
- Heat welding of seams should not be attempted until the adhesive has set, which is normally the next day.

## Wood or subfloors other than concrete

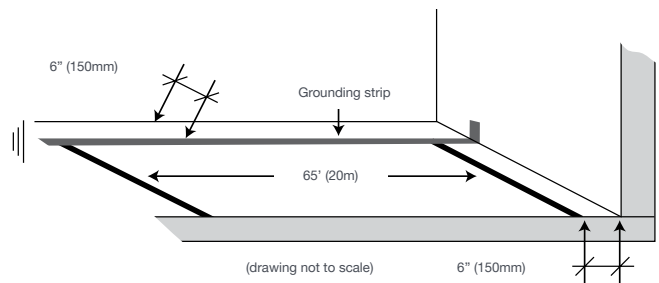
If the Altro Walkway 20SD is not installed directly on concrete, it may be necessary to provide copper ground strips with a connection to ground.

- Lay the first copper strip (0.1mm thick) into the adhesive 6" (150mm) in from the perimeter of the room, running in the same direction, and the full length of the flooring.

- Allow sufficient ground strip to remain exposed, to be connected to a grounding point by a qualified electrician. It is advisable to use two grounding points in the event that one should become damaged or disconnected.
- Lay a second grounding strip at 90° to the first; again, this should be placed 6" (150mm) in from the edge of the room and running across the full width of the room. For large areas, lay extra strips at 65' (20m) intervals throughout the area.
- All sheets must be in contact with the conductive strip.

**Warning:** Do not attempt to do the ground connection as the grounding must be done by a qualified electrician.

**NOTE:** Please contact your Altro distributor for the approved static conductive adhesive for specific applications.



## 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.

## 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://altro.com/techdocs)

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