

# ÆRATIS

## INSTALLATION INSTRUCTIONS

Aeratis Porch Flooring must be installed in accordance with installation instructions to maintain the product warranty. The recommendations below are, in no way, meant to supersede local or national building codes. Before installing, check all applicable building codes. This is a condensed version of the installation instructions. For specific questions or a more detailed version of our installation instructions and for complete painting instructions, please visit the Aeratis website ([www.aeratis.com](http://www.aeratis.com)).

### GENERAL INFORMATION

Store Aeratis on a flat surface, supporting material every 2 feet. Aeratis Classic or Traditions can be installed on either covered or uncovered porch applications. For best results, **pay close attention to the slope and ventilation suggestions. This can help limit standing water and extend the life of your joist system.**

### TOOLS

For cutting and ripping Aeratis Classic or Traditions, you can use a standard miter saw, circular saw, jigsaw or table saw with carbide saw blades. Standard router and router bits may be used.

### FASTENERS (NO SPECIFIC BRAND OF FASTENER IS REQUIRED) STAINLESS STEEL IS ALWAYS BEST PRACTICE

1. GRK #8 x 2" stainless steel trim-head screws (Pheinox™ RT Composite™) or the GRK #8 x 2" Climatek coated Trim™ Head (uses T-10 starhead bit) (For information on where to buy screws, visit [www.grkfasteners.com](http://www.grkfasteners.com))
  2. Simpson Strong Tie type 305 Stainless Steel (these fasteners also come in colors that match for face screwing).
  3. Pneumatic flooring nailer with T or L barbed cleat nails (best practice to use a construction adhesive if you are using a pneumatic nailer) 2" stainless steel is best practice.
  4. Pneumatic flooring stapler - 2" 15 gauge 1/2" crown stainless steel flooring staples
- \* Please note, you cannot use a hand held pneumatic stapler, framing gun or finish nailer. Aeratis is too dense and the nails may not penetrate the material nor does it have the holding power needed for exterior flooring.*

### PREPARATION

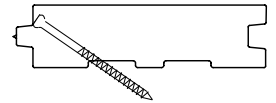
Aeratis recommends leaving a 1/4" gap where the product meets any wall, column or vertical surface. Leaving a gap will allow spacing for the porch/home to settle or move with the changing of temperature/weather. When Aeratis porch flooring is fastened to a wood joist, it should be installed in a well ventilated application creating continuous airflow around the joist. FAILURE TO DO SO, CAN ACCELERATE THE DECAY OF YOUR WOOD JOIST.

Aeratis porch flooring must be properly supported with structural blocking and framing under columns and porch posts to prevent sagging and possible structural failure over time. Also, make sure all joist are flush with one another. If one joist is higher or lower than others, it may be reflected in the porch surface.

Install Aeratis porch flooring on joists no greater than 16" on center (10" on center for stair applications). Installing Aeratis perpendicular to the house is recommended to help promote water runoff. It is best practice to slope Aeratis 1/4" per foot away from the house to enable wind-blown rain to run off the porch faster than it seeps between the boards. To assist in reducing the water from weeping between the boards, we recommend adding a bead of paintable, 100% silicone caulk in the groove just before inserting the tongue into the groove and securing to your substrate.

### INSTALLATION

Square your first board to the house and fasten into place (you may want to consider ripping the groove off this first board if it is going to be exposed). If you are using screws to fasten Aeratis to the joist, insert the screw just above the tongue at a 45° angle or less and counter sink the screw a minimum of 1/16" into the material. NOTE: *If the tongue cracks, you are putting too much pressure on the tongue and you should reduce the angle of your screw.* Take the next Aeratis plank, line-up the groove to the tongue and slide into place. Make sure the boards are completely snug together and then fasten to the joist. If you are using a pneumatic nailer, it is best practice to use a joist adhesive such as Titebond (Heavy Duty Construction Adhesive). NOTE: *To reduce weeping water, use paintable, 100% silicone caulk in the groove before sliding into place.* Also, your fastener must be completely counter sunk into the material. The tongue and groove must be completely clear of all debris for each board to go together completely. It is best practice to leave an overhang between 2" to 3 1/2" to keep water further away from your foundation.



### CORNER APPLICATIONS

It is recommended that you run one or two Aeratis boards from the corner of the house off the edge of the porch, then butt all other boards to the angled board. It is best practice to face screw these boards and fill the holes with a mixture of Aeratis and PVC glue or DAP blend stick filler. You can make this mixture by combining shavings from the miter saw bag (Aeratis shavings only) and clear PVC glue, creating a small ball from the glue and the dust from cutting Aeratis. Be careful to not get the glue on the surface of the boards.

As you are installing, please keep in mind we are providing the best case scenario's to allow for the settling and movement of your framing material and structure.

### ACCLIMATION

Store Aeratis porch flooring in the environment in which the product is going to be installed for a minimum of 24 to 48 hours unstacked prior to installation. It is also best practice to use KDAT joist or provide ample amount of drying time for the joist prior to installation. It is common for treated wood to deliver moist or even wet. As these joist dry, they may shrink. Shrinking can manifest itself in the visual appearance of the porch floor in the form of gapping.

## MITER JOINTS & BUTT JOINTS

It is required to secure miter joints and butt joints with screws and use only an Aeratis approved HOT PVC glue. This will help eliminate gapping in the event of settling or change over time in framing structure.

## TRIM

Attach the desired trim piece using Aeratis approved HOT PVC GLUE and a trim head screw every two feet. Be careful to not counter sink the screw too deep, as this can crack the trim piece. It is always best practice to allow your trim pieces and your fascia to be in direct sunlight uncovered and un-stacked for 24 hours prior to cutting and installing.

## FASCIA

Install Aeratis fascia by using trim head screws, fastening through the board into the substrate. PVC glue can be used on the ends of the boards to secure the joints.

## WRAPPING UP

If you have any residue or spills on your porch, we recommend the cleaner Goo Gone® to help remove these items. Sometimes during the course of installation, scuff marks or marks from shoes can be left on the surface of the product. We recommend using 0000 steel wool and Murphy's oil soap, rubbing the affected area lightly with long strokes following the grain.

## PROTECTIVE FILM

Remove the protective film upon installation. Direct exposure to UV rays can have an adverse affect on the PROTECTIVE FILM. If the film is left on the porch floor it can effect the appearance of your porch floor or require additional steps to remove the film and any residue left on the porch surface from the protective film.

## COLUMNS AND PORCH POSTS

Aeratis porch flooring must be properly supported with structural blocking and framing under columns and porch posts to prevent sagging and possible structural failure over time.

In the case you need to install Aeratis under your supports, you will need a framing member to support the weight of your support. Typically, a 4x4 or 2, 2x4 nailed together on top of a 10,000 lb jack works very well. Cut the 2x4's to length so the jack can fit under the 2x4's. Make sure the jack is set and ready to receive weight. Now, increase the height of the jack by the proper action. You will only need to do this a small amount. Once the support is free, move the entire support to the side, install Aeratis and then replace your support and then finally lowering your jack. Check support manufactures website for recommended replacement instructions before beginning.

## INSTALLING DIRECTLY TO CONCRETE

In many cases there is not enough space between the concrete pad and the door opening to allow for the use of a sleeper system on top of the concrete pad. If and when this happens, you now have two choices. The first, tear out the concrete and replace with traditional framing. The second option is to adhere Aeratis directly to the concrete.

### ADHERING DIRECTLY TO THE CONCRETE:

Before installation can begin check the integrity of the surface of the concrete. It must be free of any loose debris, water or oil. If there are any large cracks or voids in the surface, these may need to be filled before you can adhere Aeratis to the surface. Before you begin, please keep in mind, Aeratis is going to follow the concrete surface. If the surface is not sloped to promote water run-off, neither will the Aeratis flooring once it has been adhered to the concrete.

The adhesive that is recommended for this application is a urethane based adhesive (PL Premium or equivalent). Please keep in mind, Aeratis does not warranty the performance of the adhesive. Please check with the manufacture of the adhesive for warranty info and remedies.

Now that you are ready to start, make sure all your Aeratis boards are cut to the right length and that you have the proper number of boards. Make sure you allow for the proper amount of overhang to cover any trim or fascia materials (keep the overhang to less than 2 inches in this application). Once all the boards are ready to install. Begin by applying the adhesive as indicated in example B. Around the perimeter of the porch we recommend a 6" wide area of uninterrupted adhesive. Inside your parameter, use a caulk gun and run a 1/2" bead of adhesive every 12" running parallel to the structure. Be careful not to apply the adhesive too far ahead of your installation. You do not want the glue to dry or harden before you have had a chance to put the Aeratis boards in place.

**Note:** In colder climates, we highly recommend putting a bead of 100% silicone caulk in the groove of each board. This will reduce the water from weeping between the boards and sitting on the surface of the concrete. If this happens in colder climates, when the water freezes, the ice can expand and potentially break the bond of the adhesive.

It is highly recommended that every 5th board, you predrill at a 45 degree angle just above the tongue and through the concrete with a masonry bit. Drill deep enough in the concrete to be able to secure the board with a stainless steel trim head screw. This will keep the boards secure while the glue is curing.

Once you have installed all the Aeratis boards review your installation. Double check that all boards are positioned as desired. Install the trim and fascia boards the same way you would with traditional framing (you may have to add anchors to the concrete to fasten the fascia). Please note: It is not recommended to have butt joints in a direct to concrete application. Try to run the boards in a way to eliminate butt joints. Gapping can occur if butt joints are not secured properly.

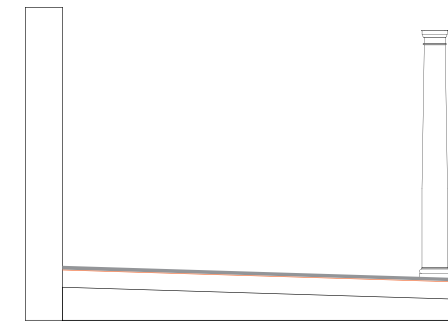
## MORE INFORMATION

If you did not find the information you are looking for in this abbreviated version of our installation instructions, please visit our website at [www.aeratis.com](http://www.aeratis.com). On the website, we provide additional information and a live chat as well as a form to submit your questions.

See Next page for diagrams

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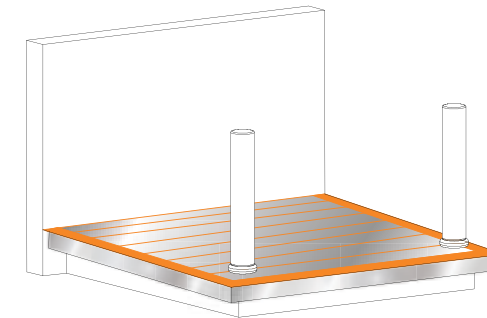
## DIRECT APPLY TO CONCRETE DRAWINGS



### Example A - Proper slope and side view of installation

The more slope that can be created the better the water runoff from wind blown rain.

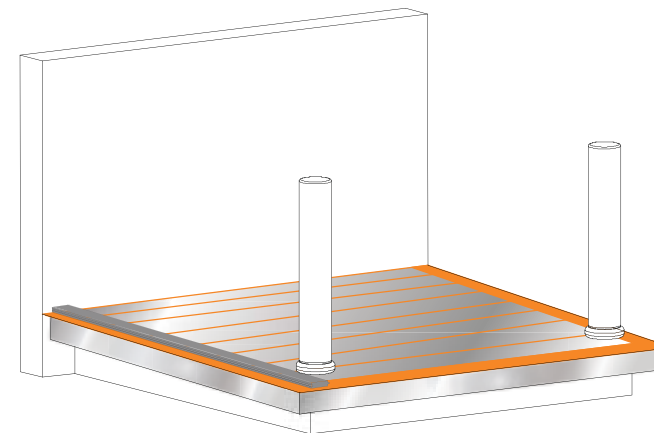
Orange lines represent glue



### Example B - Glue Application

Make sure that Aeratis is securely glued around the perimeter and throughout the application.

Orange lines represent glue



### Example C - Gluing Down Aeratis Perpendicular to the wall

Perpendicular installation promotes water runoff and will reduce maintenance.

Orange lines represent glue

## PLEASE CONTACT AERATIS FOR A REVIEW OF YOUR AERATIS INSTALLATION.

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