

# Floorometry™ Installation Instructions

**Models: 101 / 201 / 301 / 401**



Congratulations! You have just purchased the highest quality entrance flooring available. Proper installation is necessary to ensure that Construction Specialties, Inc. will honor the warranty period which is no longer than two (2) years following the installation.

The manufacturer's checklist below will serve as a guideline to aid in the correct installation of the Floorometry product:

Check: ✓

- Thoroughly read all installation instructions.
- Thoroughly review the approved drawings.
- Ensure the recommended tools are available (listed below).
- Inspect the floor substrate for suitability (described below).
- Read the floor adhesive data and application rate.
- File these instructions and note necessary care and maintenance to prolong product life.

The Construction Specialties approved shop drawings will clearly identify the product model, the overall width and length (traffic direction) dimensions, appropriate perimeter frame (if selected), insert color and options (if applicable) and our recommended modular layout within your installation location. If there are any discrepancies between material and approved shop drawings, please contact our Entrance Flooring Systems department at (800) 233-8493 prior to installation.

The following tools are recommended to enable installation of most applications:

- |  |   |
|--|---|
| <input type="checkbox"/> 8' level                    | <input type="checkbox"/> Tape Measure                   |
| <input type="checkbox"/> Carpenter's Square          | <input type="checkbox"/> Felt Tipped Pen                |
| <input type="checkbox"/> Chalk Line                  | <input type="checkbox"/> Rubber Mallet                  |
| <input type="checkbox"/> Electric Miter Saw          | <input type="checkbox"/> Electric Drill & Mixing Paddle |
| <input type="checkbox"/> Gloves                      | <input type="checkbox"/> Knee Pads                      |
| <input type="checkbox"/> Straight Edge               | <input type="checkbox"/> Cleaning Rags                  |
| <input type="checkbox"/> ¼" x ¼" Square Notch Trowel |   |

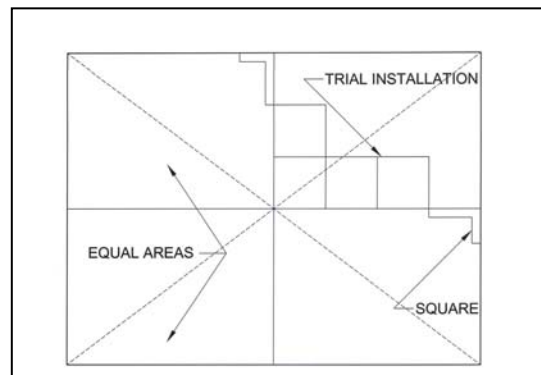
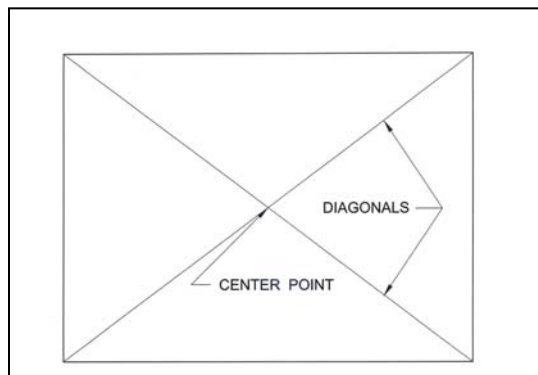
The installation mandates the location be at a temperature of 68 degrees Fahrenheit (minimum) for 48 hours before and after the installation. Additionally, it is recommended that all materials acclimate to a minimum of 68 degrees 48 hours prior to the installation.

Floor preparation is vital to a successful installation of the Floorometry™ product. Correct the following issues prior to your product installation.

- Clean the subfloor to remove all debris and foreign matter.
- Check the subfloor for unevenness and imperfections across the location.
- A level, or flat, subfloor is one that is free from any peaks or valleys, regardless of how small. These imperfections can be caused by a number of things such as the concrete slab not being perfectly flat or drywall splatters on the floor that were not cleaned. Whatever the cause, the imperfections must be corrected so the floor is completely flat. Unlevel subfloors will not allow the Floorometry™ installation to align properly, resulting in an uneven surface across adjacent modules.
- To find imperfections in your subfloor, use a long straightedge (8 ft level). Lay the straightedge across the subfloor. Locate gaps between the two. Mark all gap locations with a felt marker. Next, apply pressure to each end of the straightedge to determine if it will rock or tip to one side. If there is any movement, find the high spot and mark it with a felt marker.
- Make your way methodically across the installation location using the straightedge to locate and mark all imperfections in the subfloor.
- Use a self-leveling, quickset compound to re level all marked low spots.
- Use a grinder to level all marked high spots.
- Following the repair of all low and high spots, re-check the subfloor again to confirm that the surface is level.
- Repeat repair procedure if necessary.
- Any wood subflooring application requires the use of concrete backer unit (CBU) board with the CBU board joints staggered over the former joints. Screw CBU board every 8-10 inches on center and tape/spackle all joint locations.
- Clean the subfloor to remove all debris and foreign matter.

Begin your installation by locating the perimeter framing if applicable. First, miter cut both ends of the individual pieces, then trial fit all pieces together. Your result should reflect the shape shown on the approval drawings. Confirm that inside frame dimensions for both the width and length match those shown on the approved drawings. Ensure that each corner's exposed surface miters appear neat, clean and professional. Double check that the exposed frame surface is flush with the surrounding floor finish around the perimeter. Shim the perimeter frame if necessary to create a flush transition. Attach the frame members using the hardware provided by the manufacturer.

For installations with or without perimeter framing, you must now determine the exact center point of the installation. This can easily be performed by holding a chalk line in opposite diagonal corners and then snapping a line. Repeat this line creation for the other two opposing corners. The intersection of the chalk lines is the center point. Next, use a square to divide the area into four equal sized quadrants. Use a square to ensure that these lines (passing through the center point) are perpendicular to each other and to the perimeter frames. (Note: for locations without corners, snap two chalk lines from the mid point locations on opposing walls.) **The accurate completion of this step is crucial to a successful installation. See Details below!**



Prior to the actual installation, trial fit Floorometry™ modules starting at the center point to the perimeter. Position the modules within the upper right hand area and along the two lines forming the left and bottom edges of this area. Each Floorometry™ module is 18" [457.2 mm] square and they are nominal 3/4" [19.1 mm] thick (standard). All products except the 401 are packaged 6 modules to a box. Position all non-standard module sizes around the perimeter of the location typical to the manner that most floor and ceiling tile installations practice. If your installation requires non-standard size modules, these modules are factory cut and are clearly identified and listed on your packing list. If applicable, position the non-standard module size(s) at the far right and top of your trial installation. Double check to confirm all modules are tight against one another, with a maximum gap at perimeter to the surrounding of 1/16" [1.6 mm], and flush.

You are now ready to install the Floorometry™ product. The recommended adhesive has limitations, as indicated on the adhesive manufacturer's packaging. Please read their recommendations regarding the adhesive application rate and cure time. It is suggested that only enough adhesive to complete one of the four equal areas be applied at a time. Begin in the upper right area; work counter-clockwise completing the lower right area last. Install Floorometry assemblies as delivered. **Do not detach the surface from the mud plate.** Install as you would a floor tile except do not allow space for grout. A tight fit is required.

Adhesives (supplied by others):

A. Henry® 130 Thin Spread Floor Tile Adhesive - Note: Interior Only

B. Laticrete Latapoxy® 300 Adhesive - Note: Interior or Exterior use



Upon completion, cover the installation if the work of other building trades requires access over this area. Allow the installation to cure for 24 hours prior to servicing pedestrian traffic.

## Suggested Product Maintenance and Cleaning

Floorometry product surfaces are removable to access the reservoir, which traps the debris from pedestrian traffic. We recommend the reservoir be cleaned as needed (annually at a minimum). To clean the reservoir, remove top surface using the tool supplied to detach the corner clip assemblies. Use a shop vacuum to collect the debris. The top surface can be powerwashed with detergent and water to remove any remaining contaminants. Carefully replace the top surface by lowering it onto the alignment pins. The attachment clips will then engage and you should feel a click indicating the tile has been correctly reattached.

Top surfaces should receive appropriate daily maintenance.

## C/S Floorometry Replacement Parts

Model	Part #
101	23M101001
101 (geometry)	23M101002
201 (flat wire)	23M201101
201 (cable wire)	23M201102
301	23M301201
401	23M401301

### Components

Mud Plate	23P900801
Bond Breaker	23V900802
Clips	23H900804



**Construction Specialties™**

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