

Enduracor™ Digital Print Tread & Riser Installation Guidelines

Quick Tips Before You Get Started

1. Avoid pattern repeat by staggering or off-setting the treads.
2. Multiple patterns have been created to reduce pattern repeat. Any repeat knot locations, although rare should be avoided during the installation.
3. We have blended your treads/risers to a neutral light source. Recommended is warm home lighting (2700K).
 - a) The digital print process used on your treads and risers is different than those used by the flooring industry – it is important to know that in certain cases it can lead to perceived variances in the color under different light sources. This is called **Metamerism**. Metamerism can often be described when two material samples produced under different types of printing match when viewed under one light source, but not under another.
 - b) Avoid Fluorescent lighting – this will change the color of your treads and risers.
4. Never nail or staple your Enduracor tread or riser.
 - a) As with all our Enduracor™ profiles, our recommendation is to use the Wakol MS 245 Montinator adhesive. It requires NO mechanical fasteners. Yield will allow for 1 tube per 4 – 48” treads or risers.
5. Use 3M 2090 Blue tape on surface of treads and risers for all cuts to avoid scratches and chipping. Remove tape within 24 hours of application.

Recommended Tools

Gloves	Tri-Square	Other Helpful Tools: Wood Filler Touch up Pens/Pencils Sand Paper Fine toothed hand saw
Tape Measure	Angle Gauge	
Pencil	Precision Miter Gauge with 45° setting and Fence	
Vacuum	Wood File or Rasp	
3M 2090 Blue Tape	Compound Miter Saw	
Table Saw	Band or Jig Saw (fine toothed blades)	
Adhesive		

Basic Installation Steps

Measure and Cut

1. Measure the width, height, and depth of each stair.
2. Mark each tread and riser appropriately based on each stairs’ dimensions.
 - a. If you have an open-sided staircase and need to install returns, follow the Tread Return Installation steps in the next section.
3. Always tape the finished surface where you plan to cut. Keep the finished surface down while cutting.
 - a. To ensure a proper tread fit, make the depth and width cut slightly larger by at least an 1/8”. This will ensure you have enough width to your tread and ensure a tight fit against the riser and wall.
 - b. If you are installing a return, make the final width cut of the tread after adding the return to ensure a proper fit.



Install

1. Install the risers before the treads.
2. On the riser back, place a solid $\frac{1}{4}$ " beads in the grooved back side sections and down the center as needed.
3. Let the adhesive cure overnight using blue tape to hold the riser level at or slightly above the sub tread surface.
4. Use shims if the risers are elevated on the first step to hold in place until cured.
5. Install the treads following the same gluing schedule as the risers. Add one additional bead in the corner of the 90-degree angle on the back side of the bull nosing as shown below.
6. Allow the treads to cure overnight. Mark the treads with tape for visual "Off Limits".



Tread Return Installation Steps

Measure and Cut

1. Determine if you need a left or right hand return by looking up the staircase while standing at the base of the stairwell.
*NOTE: Double Returns (both left and right) are not recommended due to difficulty in achieving precision dimensions. If a job requires double returns, we recommend solid wood treads.

2. Measure thickness of the return using a tri-square.
3. Based on the left or right return, mark the appropriate edge using the tri-square measurement.
4. Mark a stopping point approximately 2" from the bullnose edge to avoid cutting into the bullnose.



5. Cut the tread from the back of the tread moving toward the bullnose along the marked line. Stop the cut approximately 2" from the front of the bullnose.



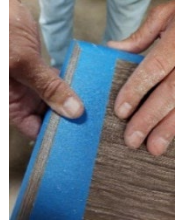
6. With an angle gauge, measure and mark the 45 degree angle cut needed to make the miter joint.
7. Make the angled cut from the corner of the bullnose to the line that indicates the depth of the return. We recommend using a precision miter gauge with fence. Note: To make the final precision cut, use of a fine-toothed hand saw may be necessary.



8. Use a wood file or rasp to smooth out any jagged or uneven fiber along cut edge of the tread.
9. Using the angle gauge, mark the 45 degree angle cut along the edge of the return ensuring the correct left or right hand direction.
10. Adjust saw to 45 degree angle and cut the return.



11. Hold the return in position with the tread to ensure a good, mitered fit. Adjust angle and recut return if necessary.



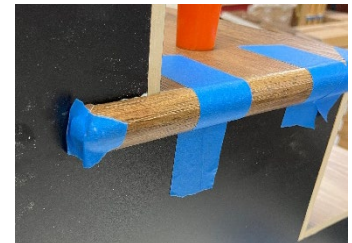
Final Cuts

1. Measure and cut return to desired length.
Note: Standard tread returns typically extend 1.5" beyond the depth of the tread.
2. Make additional 45 degree angled cuts to create a finished look on back side of return.



Install

3. Using adhesive, lay a 1/8" to 1/4" bead along the return. The return must adhere to the Enduracor Tread as well as the subfloor and vertical surface beneath it.
 - a. To avoid excess adhesive runover, start adhering the return from the top and roll down.
4. Secure the return to the tread using blue tape front to back along the mitered corner.
5. After appropriate cure time, remove tape and apply wood filler as needed for a finished look.



Frequently Asked Questions

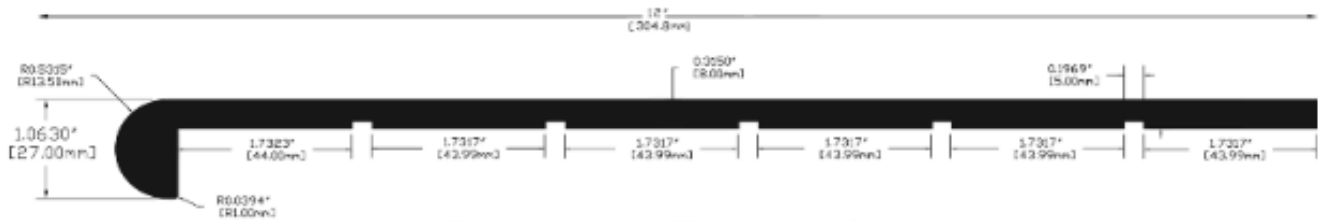
Why do we require jobsite cuts?

Each jobsite is unique and generally requires the use of an angle gauge or t-bevel to assess the exact dimensions required at your job. Cutting at the jobsite allows the installer to make all necessary adjustments.

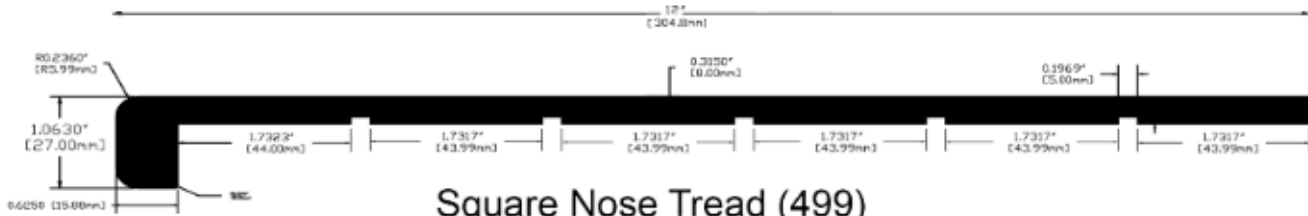
Why isn't the return pre-mitered?

Each stair may require a slightly different angle cut based on the dimensions of the stair itself. Pre-mitered returns could cause discrepancies in the installation and being able to adhere properly.

Enduracor™ Tread, Riser and Return Dimensions



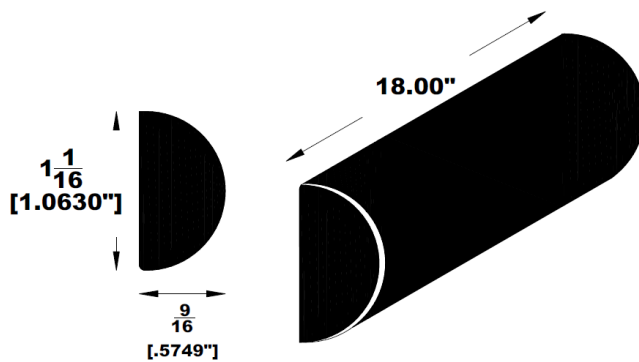
Round Nose Tread (498)



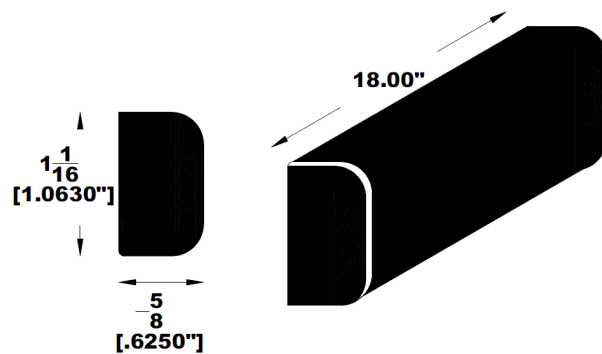
Square Nose Tread (499)



Riser (491)



265 18" Round Nose Return



266 18" Square Nose Return