Installing Sheet Vinyl Flooring Permanently

GENERAL

- Ensure that moisture tests have been conducted and meet requirements. The permanent HVAC system turned on and set to a minimum of 68°F (20°C) for a minimum of 72 hours prior to, during and after installation. After the installation, the maximum temperature should not exceed 100°F.
- Flooring material has been climatized to the installation area for a minimum of 24 hours prior to installation.
- Only Stagestep adhesive should be used. (Using an unapproved adhesive may void warranty.)
- Use a 1/32" x 1/16" x 1/32" fine notch trowel only.
- Material should always be visually inspected prior to installation. Any material installed with visual defects will not be considered a legitimate claim as it pertains to labor cost.
- Some Stagestep/Aeson sheet vinyls have a glass fiber interlayer which gives them their dimensional stability. They will not shrink or compress. If cut too full or back rolled, it will result in a bubble.
- Install all cuts and rolls in consecutive sequence.
- Ensure that all recommendations for subfloor and jobsite conditions are met prior to beginning the installation. Once the installation is started, you have accepted those conditions.

CUTTING AND FITTING SHEETS

Stagestep/Aeson sheet vinyls are flexible and easy to handle when properly acclimated. In most cases, a qualified installer will be able to hand fit the material in areas where base or trim moldings will be installed after the installation is completed.

1. Cut the required length off the roll, including enough to run up the wall 2-3" at either end.
2. Push the length of the sheet as close to the starting wall as possible, letting the extra length run up the wall at each end.
3. Set the scribes to a minimum of 3/8" more than the greatest distance between the wall and the flooring material. Scribe the shape of the wall onto the flooring.
4. Next, cut the material along the scribe line using a utility blade knife. Place the fitted sheet approx 1/2" from the wall. There should be a 1/2" gap around entire perimeter of room.
5. Cut second sheet with proper extra length.
6. Position second sheet with a 1/2"-1" overlap over first sheet at the seam.
7. Repeat steps 6 and 7 for as many sheets as necessary to complete the area or those sheets that can be installed that day.
8. Lap back all overlapped sheets as one, half way back.
9. Snap chalk line along area where adhesive will be spread to assure an even and straight line of adhesive. Spread adhesive with proper notched trowel over entire area. Be very careful not to leave any adhesive ridges or puddles. **NOTE: The subfloor porosity and room atmosphere conditions (temperature, humidity, etc.) can affect the working time of the adhesive. Floor must be placed in adhesive while wet. Do not install into dry adhesive.**

10. Push lapped flooring from the fold onto adhesive, working toward the wall. **DO NOT FLOP MATERIAL IN** – air will be trapped causing bubbles.
11. Roll floor with 75 to 100 lb. roller in both directions. (Floor Rollers may be ordered at www.stagestep.com or www.aesonflooring.com.) Roll across with width first, then across the length. Using the top floor piece edge as a guide, cut bottom sheet with a sharp utility knife. **NOTE: To ensure proper bonding of the material, it is recommended to roll the material next to the walls with a hand seam roller.**
12. After material has been laid into the adhesive, underscribe the seams using the short scribes with either the scribe blade or scribe pin. **NOTE: Set scribes so that the seam will have a slight gap, about half the thickness of a razor blade. If cut too full, it will result in bubbles or ridges. Heat Welding Stagestep Vinyl Sheet Flooring is optional. (See page 19.)**
13. Cut material along scribe line with utility knife.
14. Roll the seam with a hand roller.
15. Repeat the same procedure on the other half of the room. **TAKE CAUTION NOT TO OVERLAP ADHESIVE LINES OR LEAVE RIDGES OF ADHESIVE.**
16. Heat weld seams the following day if required. *See heat welding instructions on page 19.*

Note: The above instructions assume a permanent install with adhesive. Therefore, these instructions are for professional installers. Any questions, please call Stagestep/Aeson at 800-523-0960.

Vertex

For Vertex, a flocked sheet vinyl flooring, follow the installation instructions for sheet vinyl flooring.

Heat Welding Vinyls

STAGESTEP/AESON RECOMMENDS HEAT WELDING BE DONE BY PROFESSIONALS ONLY.

Heat welding is the optional procedure for all seams, coving and corner fill pieces of Stagestep/Aeson sheet vinyls. Heat welding provides for strong, watertight and hygienic seams. They are not invisible. Heat welding should be only done by experienced professionals. Heat welding is not appropriate for temporary or semi-permanent installations.

The welding cord for Stagestep/Aeson vinyls is made of pure pvc which is designed to melt at the same temperature as the pvc of the sheet vinyl flooring. This is why you should never use welding rods other than those specified for the product you are installing.

Heat welding should be done after the flooring adhesive has set-up, usually a minimum of 24 hours after sheet vinyl installation.

It is always a good idea to practice on a scrap piece of material first to ensure proper temperature and speed.

PROCEDURE:

1. Seam edges should be tight. Gaps in the seam will deter a quality weld.
2. Groove seam using a vinyl groover. The depth of the groove should be about 2/3 the depth of the material. Be careful not to go too deep. This is very important to ensure proper strength and bonding of the welding rod.
3. The ends of the seam, where the groover cannot reach, must be completed using the hand groover.
4. Clean all grooves thoroughly.
5. Use only professional quality welding guns that will maintain the proper temperatures. Use 5mm speed tip.
6. Preheat welding gun for several minutes before beginning.
7. Cut length of welding rod long enough to weld over half the seam.
8. Insert rod through welding nozzle about 3-4", hold on to excess and immediately begin welding.
9. The welding tip should always be parallel to the flooring and directly over the groove.
10. Determine the correct welding speed by ensuring that the welding rod actually melts into the groove. A small bead should form on either side of the welding rod.
11. While the welding rod is still warm, trim the excess material with the crescent knife and trim plate in one continuous movement.
12. If the welding rod has not properly bonded, a new piece of rod can be fused in and trimmed.
13. Repeat the same procedure on the other half starting from the opposite wall working toward the center. Overlap the welding rod approximately 1" where they join.
14. After the rod has cooled to the touch, make the final trim using only the crescent knife.
15. Minor repairs and smoothing out of the rod may be done using the butane repair tool.