

## AMERICAN HOME™ LVP FLOORING GLUE DOWN INSTALLATION

**WARNING:** EXISTING IN-PLACE RESILIENT FLOOR COVERING AND ASPHALTIC ADHESIVES. DO NOT SAND, DRY SWEEP, DRY SCRAPE, DRILL, SAW, BEADBLAST, OR MECHANICALLY CHIP OR PULVERIZE EXISTING RESILIENT FLOORING, BACKING, LINING FELT OR ASPHALTIC "CUT-BACK" ADHESIVES.

These existing in-place products may contain asbestos fibers and/or crystalline silica refer to the caution section below.

Avoid creating dust, inhalation of such dust is a cancer and respiratory tract hazard. Smoking by individuals exposed to asbestos fibers greatly increases the risk of serious bodily harm. Unless positively certain that the existing in-place product is a non asbestos-containing material, you must presume it contains asbestos. Regulations may require that the material be tested to determine asbestos content and may govern removal and disposal of material. See current edition of the Resilient Floor Covering Institute publications recommended work practices for removal of resilient floor coverings for instructions on removing all resilient floor covering structures. Contact your retailer or Armstrong Flooring Inc. 1 800 233 3823 for questions.

THE FLOOR COVERING IN THIS PACKAGE DOES NOT CONTAIN ASBESTOS.

### SUITABLE SUBSTRATES

All substrates listed below must be properly prepared and meet the requirements discussed in Subfloors & Underlayments Section. There may be other exceptions and special conditions for these substrates to be suitable for Residential LVT Planks Installation Systems.

- Concrete (on all grade levels)
- Approved Suspended Wood Underlayments
- Single-layer, Fully Adhered, Existing Resilient Floors
- Ceramic tile, terrazzo, marble
- Polymeric Poured (seamless) Floors

### Do not install over:

- Particleboard, waferboard, OSB or single-layer Sturd-I-Floor panels
- Existing resilient tile floors that are below grade
- Existing cushioned vinyl flooring
- Existing Hardwood flooring below grade

### JOB CONDITIONS/PREPARATION

- Resilient flooring should only be installed in temperature-controlled environments. It is necessary to maintain a constant temperature before, during and after the installation. Therefore, the permanent or temporary HVAC system must be in operation before the installation of resilient flooring. Portable heaters are not recommended as they may not heat the room and subfloor sufficiently. Kerosene heaters should never be used.
- Substrates must be sound, dry, clean, smooth, and free from excessive moisture or alkali. Remove dirt, paint, varnish, wax, oils, solvents and other foreign matter that would interfere with a good bond such as curing agents and sealers.
- In renovation or remodel work, remove any existing adhesive residue\* so that no ridges or puddles are evident and what remains is a thin, smooth film.
- The area to receive resilient flooring and the flooring materials and adhesives should be maintained at a minimum of 65°F (18°C) and a maximum of 100°F (38°C) for 48

PRODUCT	GAUGE	SIZE	ADHESIVE	COMMENT
American Home Residential And Light Commercial	.80 (2.0mm)	Various	S-599 ChoiceStrong™, S-289, S-288, S-543, S-310 Roll Strong™ or Flip® Spray Adhesive	Roll with a 100-lb roller

### PRODUCT ACCLIMATION

No product acclimation is required if stored between 40°F (5°C) and 100°F (38°C) for 48 hours prior to installation.

### ENVIRONMENTAL CONDITIONS

Outlined in this table are the environmental temperature conditions and time frames required

	48-HOURS BEFORE INSTALLATION	DURING INSTALLATION	48-HOURS AFTER INSTALLATION	THEREAFTER – NORMAL USE
Room	65°F (18°C) - 100°F (38°C)			55°F (13°C) - 100°F (38°C); Completed installations may occasionally be heated up to 140°F (60°C) for a maximum of 24-hours**

Store product on a flat surface to make sure not to distort the visual.

\*\*\*We recommend using floor protectors. As a general rule of thumb, the heavier the item, the wider the floor protectors should be. Temperatures above 100°F may accelerate indent – indentations at higher temperatures are not covered by warranty.

PRODUCT	ADHESIVES	OPEN TIME (ALL SUBSTRATES)
American Home Residential Light Commercial	S-599 ChoiceStrong™, S-288, S-543 Use S-891 Fine Notch Trowel (1/32" (0.8 mm deep, 1/16" (1.6 mm) wide and 5/64" (2 mm) apart)	Dry to Touch - Approximately 30 minutes (tacky to touch with no transfer to fingers).
	Flip Spray Adhesive	
	S-289 short nap paint roller (3/16" to 1/4")	Dry to Touch - Approximately 45 minutes (tacky to touch with no transfer to fingers).
	S-310 Roll Strong™ 3/8" nap paint roller	Dry to Touch- Approximately 15 minutes or more (tacky to touch with no transfer to fingers)

**NOTE:** The amount of open time will vary according to job conditions – temperature, humidity, air flow and type of substrate.

hours before installation, during installation and 48 hours after completion.

- This product can be installed into a room then the temperature can be raised to 140°F for a maximum of 24 hours.
- For concrete substrates, conduct moisture testing (moisture vapor emission rate (MVER) and/or percent relative humidity (in-situ probe). Bond tests must be conducted for compatibility with the substrate. Please refer to *Subfloors and Underlayments section.e of the Armstrong Flooring Guaranteed Installations Systems Manual F-5061*.
- Radiant heated substrates must not exceed a maximum surface temperature of 85°F (29°C)

\* Some previously manufactured asphaltic "cutback" adhesives contained asbestos (see warning statement on page xii of the Armstrong Flooring Guaranteed Installations Systems Manual F-5061). For removal instructions, refer to the Resilient Floor Covering Institute's publication Recommended Work Practices for Removal of Resilient Floor Coverings.

### PRECAUTIONS:

- Proper conditioning of jobsite and product is extremely important for the appearance and performance of LVT planks
- Do not wash or scrub the new flooring for at least 5 days after the installation. This will allow the tile to become "seated" in the adhesive and prevent excess moisture and cleaning agents from interfering with the adhesive bond.

### LAYOUT:

Whenever possible, plan the layout so that the joints in the planks do not fall on top of joints or seams in the existing substrate. The end joints of the planks should be staggered a minimum of 6" apart. Do not install over expansion joints. To minimize repeats always work out of three cartons at time. Determine which direction the planks will run. Find the center of each of the end walls (the walls perpendicular to the long dimension of the planks) and place a pencil mark on the floor. Connect these points by striking a chalk line down the center of the room. Do a dry layout of planks from the center line to the wall running parallel to the long direction of the planks to determine the width of the last row of planks.

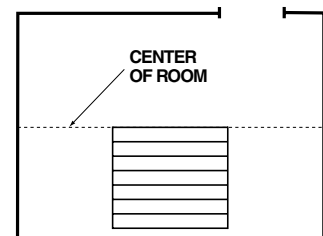


Fig. 1: Dry layout to determine width of border plank.

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Avoid having border pieces less than 2" (5.1 cm) wide for the 4" (10.2 cm) wide planks and less than 3" (7.6 cm) wide for the 6" (15.2 cm) wide planks. If you find the border planks will be less than 1/2 the width of the plank, the center starting line should be shifted a distance equal to 1/2 the plank width. This will "balance" the room and provide for a larger cut piece at the wall.

### FULL-SPREAD ADHESIVE INSTRUCTIONS:

General Information/Tools needed

- We recommend using utility blades for cutting planks, these can be found in most hardware stores.
- When using a straight edge and utility knife, score the face of the plank several times and snap it.
- Planks are also easily cut with a tile cutter or a Magnum Shear.
- Recommended adhesives – S-599 ChoiceStrong™, S-289, S-288, S-543, S-310 Roll Strong™ or Flip® Spray Adhesive
- Please view installation instructions for detailed adhesive instructions. This information can be found on [floorexper.com](http://floorexper.com) or the adhesive label.

### PROCEDURE:

- **Armstrong American Home with S-599 ChoiceStrong™ or S-288 Flooring Adhesive**

Apply adhesive to 1/2 of the area at a time so that you can start the installation along the center starting line. Begin laying planks along the center starting line and install row by row including the cut pieces at the perimeter until 1/2 of the installation is complete. Stagger the end joints by at least 6 inches (15.2 cm). Apply adhesive to the remaining portion of the room, allow the adhesive to dry-to-touch and complete the installation of planks in similar fashion. After the planks are installed, immediately roll the entire floor with a 100 lb. roller. Use a hand roller in confined areas where the large floor roller will not reach, such as under toe kicks. The planks may be walked on immediately; however, the floor should not be exposed to heavy rolling load traffic for 72 hours after the installation. Use pieces of hardboard or underlayment panels to protect the floor when moving heavy furniture and appliances back into the room.

- **Armstrong American Home with S-289 Releasable Adhesive**

Apply S-289 adhesive to 1/2 of the room area at a time so that you can start the installation along the center starting line. Starting at the center and working toward the edges, roll in two directions using a 100-lb roller. If any adhesive gets on the face of the flooring, use a clean, white cloth dampened with detergent and water to remove it. Mineral spirits will remove dried adhesive residue.

- **Armstrong American Home with S-543 Adhesive**

Apply S-543 adhesive to 1/2 of the area at a time and allow the adhesive to set until dry-to-touch, as per the recommended open time on the adhesive label. Roll the trowel ridges with a medium nap roller. Begin laying planks along the center starting line and install row by row, including the cut pieces at the perimeter, until 1/2 of the installation is complete. Stagger the end joints by at least 6" (15.2 cm). Apply adhesive to the remaining portion of the room, allow to dry-to-touch and complete the installation of planks in similar fashion. Immediately remove any adhesive from the surface of the flooring using a clean, white cloth dampened with a neutral detergent and water. Roll the tile in both directions within 30 minutes after installation using a 100-lb. roller. Do not allow traffic for 24 hours after installation. Tile should not be exposed to rolling load traffic for at least 72 hours after installation to allow setting and drying of the adhesive.

- **Armstrong American Home with S-310 Roll Strong™ Adhesive**

A roll-on application method is recommended with a medium nap (3/8" nap) roller to achieve a smooth even full-spread coating. Spread rate and drying time of the adhesive will depend on the porosity and texture of the substrates and the ambient temperature and relative humidity. KEEP PAINT ROLLER WET! Do not apply pressure to the roller, allow it to freely roll over the substrate. ADHESIVE COVERAGE MUST NOT EXCEED 400 ft<sup>2</sup>/gal! Overly absorbent or rough substrates will require two coats. Once the coating has dried, it must be kept clean and apart from any contact with other surfaces until ready to begin the bonding process. Do not spread more adhesive than can be covered in 4 hours. Once the S-310 Roll Strong adhesive has dried, install LVT as per recommended instructions. LVT can be repositioned as necessary prior to applying pressure. After completion of the installation, roll the entire floor in both directions with 100 lb. roller to achieve a full contact bond. Note: After the flooring has been rolled or pressed into place, repositioning is not possible. Normal traffic and rolling loads may be allowed as soon as the installation, finishing and clean-up are complete.

- **Armstrong American Home with Flip Adhesive**

Spray Flip adhesive to 1/2 the room area at a time so that you can start the installation along the starting center line. Allow the adhesive to set until dry-to-touch, as recommended on the adhesive can.

**NOTE:** Products with directional arrows on the back should be installed with the arrows all pointing in the same direction unless you are installing custom layouts.

### FINISHING THE INSTALLATION

Replace molding or wall base, allowing slight clearance between the molding and the planks. Nail the molding to the wall surface, not through the flooring. At doorways and at other areas where American Home flooring may meet other flooring surfaces, it is preferable to use a "T" molding or similar to cover the exposed edge but not pinch the planks. Leave a small gap between the planks and the adjoining surface.