

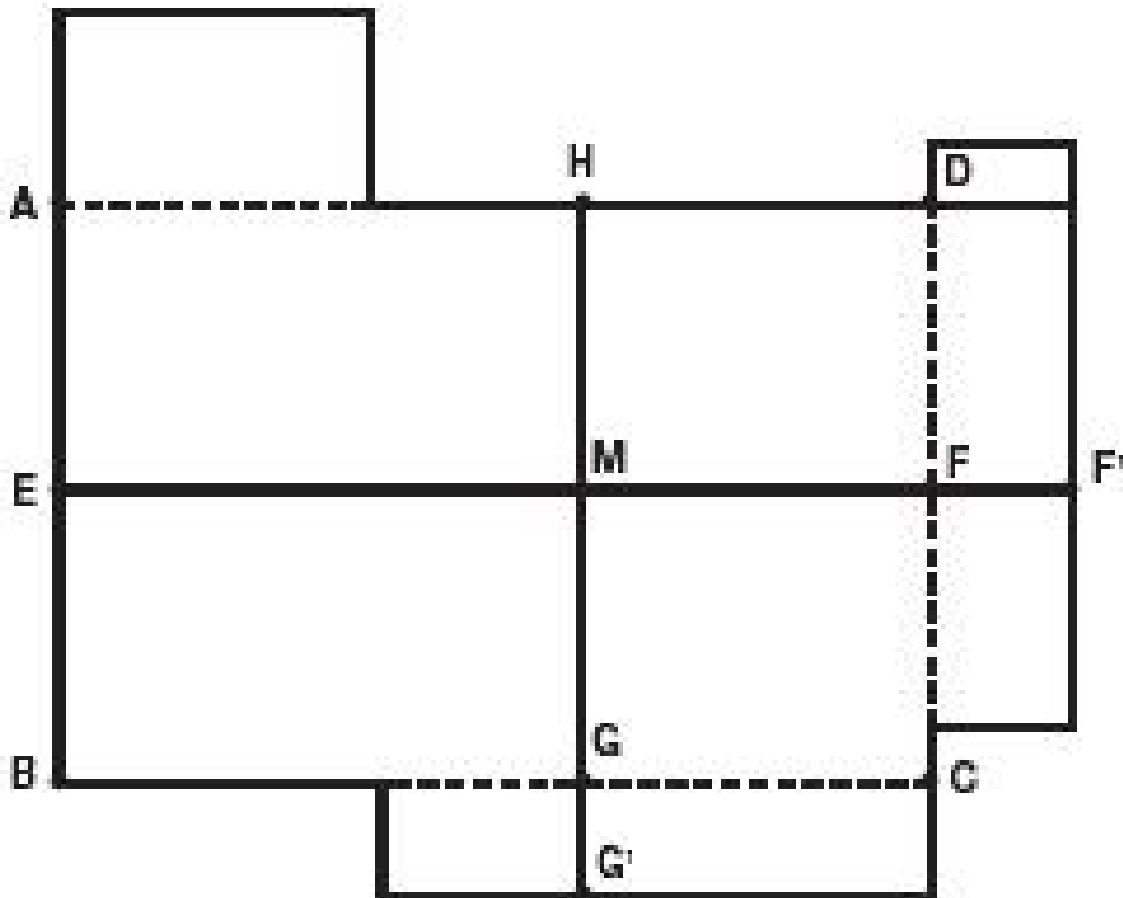
Installing Allura Decibel

- Always refer to and follow the recommendations in **Forbo's General Installation Guidelines** prior to installing Allura Decibel LVT flooring.
- Always refer to and follow the recommendations in **Forbo's Substrate Evaluation and Preparation Guidelines** prior to installing Allura Decibel LVT flooring.
- Beginning the installation is an implied acceptance of site conditions and liability for any failure directly related to inadequate site conditions becomes the responsibility of the installer and/or flooring contractor.
- Allura Decibel may be installed on approved substrates on all grade levels.
- For the tolerance in the sequence of roll numbers, refer to **Forbo's General Installation Guidelines**.
- Install Allura Decibel with Forbo V 1190 adhesive. Use a 3/8" nap roller to apply the Forbo V 1190 adhesive. Replace roller when proper coverage is no longer attainable. Alternatively, Forbo Sustain 1195 or Forbo 660 adhesives may be used.
- When installing Allura Decibel in areas where there is the potential for heavy topical water exposure in the course of normal use, or where a higher frequency of wet maintenance will occur, the use Forbo Sustain 1195 adhesive will provide additional resistance to impacts from water. Use a 1/16" x 1/16" x 1/16" square notch trowel to apply the adhesive. Replace the trowel blade when proper coverage is no longer attainable.
- Use material from the same batch/dye lot
- Do not remove more tile from the carton than can be installed in approximately 1 hour.
- Install cartons in consecutive order.
- Allura Decibel LVT flooring must be installed with all arrows on the back running in the same direction, with material from the same batch.
- Wait a minimum of five days following the installation before conducting initial cleaning. For installations over non-porous substrates, additional time may be necessary because the adhesive may take longer to dry and cure.
- Forbo does NOT recommend the application of adhesive tape on Allura Decibel. Adhesive tape may cause damage to the factory coating of resilient flooring products. When using floor protection materials, tape the seams of the floor protection together and secure the floor protection by weighing down in corners and against walls. DO NOT secure floor protection materials by taping them directly to the surface of resilient floor coverings.
- Take pride in your work and be Professional at all times.
- For additional information, contact Forbo's Product Support & Education Services at 1-800-842-7839 or www.forboflooringNA.com.

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Layout

- Allura Decibel LVT flooring products are fit using conventional tile fitting techniques.
- It is customary to start from the center of the room. In corridors and small spaces, it may be simpler to work lengthwise from one end, using the center line as a guide.
- The center line is drawn as follows (Figure 1): A chalk line is snapped from center of wall A/B (Point E) to the center of wall C/D (Point F). The center of line E/F is found (Point M). Draw a perpendicular line through Point M using the 3:4:5 method to establish G/H.
- Starting at Point M, measure out lengthwise and widthwise to the walls to make sure you will have at least a half of a tile at the border. Adjust lines E/F and G/H if necessary.



Standard Installation

- Allura Decibel LVT flooring products are fit using conventional tile fitting techniques.
- Use Forbo V 1190 adhesive.
- Forbo V 1190 can be used on all grade levels of concrete, approved suspended wood floors and approved existing resilient floors. All concrete substrates must be prepared in strict accordance with the conditions set forth in the latest version of ASTM F 710. The substrate must be dry, clean, smooth, and structurally sound.
- The surface pH of the concrete must not exceed a pH of 12.0. Concrete surfaces with pH readings less than 7.0 or above 12 will require remediation prior to installation.
- For Allura Decibel products, the internal relative humidity must not exceed 90% as determined by testing conducted in strict accordance with the latest version of ASTM F 2170.
- The moisture vapor emission rate must not exceed 10.0 lbs. per 1,000 square feet in 24 hours as determined by testing conducted in strict accordance with the latest version of ASTM F 1869.
- Conduct adhesive mat bond testing before beginning the installation. Bond testing will aid in identifying both the working characteristics of the adhesive, such as the appropriate open and working times for the site conditions, and also any potential bonding problems to the substrate.

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- After establishing the starting lines, spread the adhesive using a 3/8" nap roller ensuring enough adhesive is being applied (refer to the spread rate on the adhesive bucket lid sticker).
- Be sure to spread adhesive all the way to the starting line without leaving any voids.
- Allow the adhesive to turn clear and dry to the touch before installing the flooring. After turning clear, the flooring **MUST** be placed into the adhesive within four (4) hours.
- Begin laying tiles at the starting point, ensuring that the tile is placed exactly along the layout lines. If the first few tiles are not installed accurately, the entire installation will be affected.
- Immediately roll the flooring in all directions using a 100 lb. roller to ensure proper adhesive transfer. Additional rolling is required during adhesive setup to ensure that the material is flat and fully adhered.
- The use of a three-section wall roller or steel seam roller is required at walls, under toe kicks or anywhere the full weight of a 100 lb. roller cannot access or be applied.
- Remove fresh adhesive residue immediately with a clean white cloth. Dried adhesive can be removed with a clean white cloth and Forbo Adhesive Remover. If this is not available, a solution of properly diluted neutral pH cleaner may be used. The area should then be rinsed with clean, cool water to remove all residues from the floor.

Installation in High Topical Water Exposures

- Use Forbo Sustain 1195 adhesive.
- After establishing the starting lines, spread the adhesive using a 1/16" x 1/16" x 1/16" square notch trowel.
- Be sure to spread adhesive all the way to the starting line without leaving any voids.
- Begin laying tiles at the starting point, ensuring that the tile is placed exactly along the layout lines. If the first few tiles are not installed accurately, the entire installation will be affected.
- The tiles must be installed into wet adhesive. Do not spread adhesive in an area larger than can be installed while ensuring 100% wet transfer to the backing of the material.
- The open time and working time of adhesives will vary depending on site conditions such as ambient temperature and humidity, the porosity of the substrate and air circulation. It is the installer's responsibility to make adjustments to specific conditions as may be necessary to ensure 100% wet adhesive transfer to the material backing. A general indication of proper open time is when a light touch produces transfer of adhesive to the finger, but a firm touch will flatten and "smear" the adhesive.
- A short open time will be necessary. The adhesive should be allowed to develop body before placing the flooring material into the adhesive, but **DO NOT ALLOW THE ADHESIVE TO DRY**.
- Check for adhesive transfer frequently. There must be **100% wet** transfer of adhesive to the material backing in order to achieve a secure bond. 100% wet transfer is a continuous film of adhesive, when wet, on both the backing of the material and the substrate with no trace of trowel marks or ridges. The flooring material **must remain in contact with the adhesive while the adhesive is drying and curing**.
- Immediately roll the flooring in all directions using a 100 lb. roller to ensure proper adhesive transfer. Additional rolling is required during adhesive setup to ensure that the material is flat and fully adhered.
- The use of a three-section wall roller or steel seam roller is required at walls, under toe kicks or anywhere the full weight of a 100 lb. roller cannot access or be applied.
- Proper tile placement and rolling will result in a complete "explosion" of the trowel ridges, creating a continuous flat film of adhesive. Complete transfer of the tile backing will appear as only the impression of the tile backing in the surface of the adhesive. No standing trowel ridges should be visible.
- The time it takes to mark and cut the border tiles must be considered when planning the installation. Without adequate planning, the working time of the adhesive around the perimeter may be exceeded before the tiles are installed. This will result in an inadequate bond of the perimeter tiles. Always plan the sequence of spreading adhesive so that the perimeter tiles can be cut and placed into the adhesive before the adhesive working time has been exceeded.
- Remove fresh adhesive residue immediately with a clean white cloth. Dried adhesive can be removed with a clean white cloth and Forbo Adhesive Remover. If this is not available, a solution of properly diluted neutral pH cleaner may be used. The area should then be rinsed with clean, cool water to remove all residues from the floor.

Forbo's General Installation Guidelines contain additional information and are available for download at www.forboflooringNA.com. For additional information, contact Forbo's Product Support & Education Services at 1-800-842-7839.