

Kinetex® is a unique textile composite flooring with specific installation techniques. While it may appear similar to carpet tile, special attention is required when installing Kinetex. The section below titled “**Module Placement**” should be strictly followed to gain experience with correct installation methods.

The Kinetex Installation Instructions and Kinetex Maintenance Instructions are available electronically. Should you like a copy, please contact **Marketing Services** at 800.241.4586, extension 8020. For further questions or additional information, **J+J Customer Relations** can be reached at 800.241.4586.

### Installation Procedures for Kinetex Modules

Make sure you inspect modules prior to installation. No claims will be honored if modules are installed with visible defects. Read all instructions prior to beginning installation. **Approved installation method for Kinetex 24” x 24” modules is quarter turn only. Approved installation methods for Kinetex 18” x 36” plank modules include parquet, basketweave, herringbone or ashlar.**

### Adhesive Requirement

J+J Flooring Group’s Kinetex Adhesive is an aggressive, pressure sensitive adhesive designed for the installation of Kinetex modules. It is nonflammable and both alkali and water-resistant. It has low odor and “zero” calculated VOC’s, which make it ideal for use in schools, health care facilities, public buildings and anywhere odor is a concern. Kinetex Adhesive has MicroSept™ antimicrobial preservative and is CRI Green Label Plus™ certified.

Regarding installation of Kinetex over wood subfloors or in any environment where excessive temperature variations may occur. We recommend that the modules be placed into the adhesive when the adhesive is approximately 75%-80% dry as opposed to completely dry. This will allow some transfer of adhesive and as such will result in a more aggressive bond of the module. This method may result in the modules not being reusable when removed.

### Site and Modular Material Conditioning

The building must be enclosed and the HVAC in continuous operation. Modules must be conditioned to room temperature for 48 hours prior to installation. The ambient air relative humidity must be between 10%-65% with the floor and room temperature between 65°-95°F. These conditions must be maintained for a minimum of 48 hours prior to installation and at least 48 hours after completion of the installation.

### Surface Preparation

Dust, dirt, debris, and existing adhesive must be removed before the installation begins. Surfaces must be smooth and level with all holes and cracks filled with Portland cement-based patch reinforced with polymers. Kinetex Adhesive cannot be applied to any substrate where chemical or solvent based cleaners have been used. Substrate surfaces must be tested for moisture. It is the responsibility of the owner or owner’s representative to perform moisture testing prior to starting the installation. ASTM F 2170-2 relative humidity probe moisture testing is required. Acceptable relative humidity probe testing results are up to 95% RH. Alkalinity tests should also be performed per ASTM F 710. The maximum acceptable pH is 10.0.

### Subfloors

**Wood** - Wood floors must be APA flooring grade smooth and level, or CanPly Select Grade. If the floor is uneven, an approved underlayment will be required.

**Old finishes** must be tested for compatibility with adhesives or removed and porous wood primed. Wood floors must receive a roll-on application of APAC™ ENCapSeal™. Follow instructions on the APAC ENCapSeal label.

**New Concrete** – New concrete must be fully cured and free of moisture (see ASTM F 710). New concrete requires a curing period of approximately 90 days. For complete information, refer to CRI-104 Installation Standard.

**Old Concrete** – Old concrete must be checked for moisture. Dry, dusty, porous floors must be primed. Note: primers will not correct a moisture problem. For complete information, refer to CRI-104 Installation Standard.

**Terrazzo / Marble** – Level all grout lines with Portland cement-based patch reinforced with polymers. Glossy surfaces must be sanded for adhesive bond. Waxes and similar finishes must be removed.

**Hard Surfaces** – Tiles must be well secured to the floor or removed. Broken, damaged, or loose tiles must be replaced. Waxes and similar finishes must be removed from VCT before applying adhesive. Existing sheet vinyl is not a suitable substrate for modular installation and must be removed.

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**Raised Access Panel Floors** – The panels must be flat, warped panels can result in the carpet modules being off grid. The panel joints must be tight and level. Screws are to be countersunk.

**Full Spread Adhesive System**

J+J Flooring Group requires full spread use of Kinetex Adhesive. The spread rate for Kinetex Adhesive is approximately 900 square feet per four-gallon bucket and must be spread using a 1/16" x 1/32" x 1/32" U-notched trowel. Allow to dry until transparent or adhesive does not transfer to finger when touched.

**Tools**

Steel measuring tape, right angle square, chalk line and adhesive trowel, knife.

**Installing Kinetex Modules**

After adhesive has dried, begin the installation at the intersection of the central module anchor lines. Complete the installation one quarter area at a time laying the modules firmly and accurately along the anchor lines.

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**Alignment**

As each module is installed, ensure that the installation is remaining "square" and conforming to the chalk lines by checking the joints for excessive play.

Drying time will vary with temperature, humidity and air velocity; however, modules must be installed within two hours after adhesive has dried.

**NOTE: Inadequate amounts of adhesive can cause modules to shift and move and will not be covered by warranty. J+J Flooring Group will not be responsible for the adhesive bond where other adhesives have been used.**

**Adhesive Clean Up**

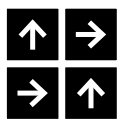
Use a moist cloth when wet; if dry, use a solvent based product applied to a towel then worked onto the Kinetex module for removal of contaminants such as adhesive, paint, oil and grease. Follow manufacturer's instructions.

**Module Placement**

Arrows are printed on the back of the module to show pile/machine direction. A tight installation without compression is mandatory for optimum performance and appearance of the modular installation. It is critical that each module uniformly touch each adjoining module without a gap. To ensure a clean tight fit, do not pull/tug or slide-in modules, but instead lay each module into its location against the adjoining module. Use your hands to press/form the module into place where the new module meets the previously installed module.

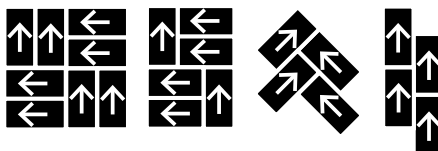
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24" x 24" modules



Quarter Turn

18" x 36" modules



Parquet

Basketweave

Herringbone

Ashlar

**Modular Install Pattern**

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Kinetex modules have an arrow on the back of each module denoting pile/machine direction.

**Module Repositioning During Installation**

To reposition a Kinetex module during installation, remove it by gently lifting along all four sides of the module with a spatula or putty knife,

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rotating around each side of the module doing a little at a time. The very center of the module should be the last part of the module touching the floor upon removal.

Do not stretch a module while it is in the adhesive in order to align next to an adjoining tile. An attempt to stretch will likely result in the module pulling back to its original position. Never attempt to remove a module all at once by pulling one or only two sides of the module. Doing so may lead to distorting the module.

### **Module Replacement**

On occasion, it may be necessary to replace damaged or heavily soiled modules. Modules can be replaced with new Kinetex modules from on-site inventory or from another area of the installation. A difference of appearance may be noticed when modules are replaced; this difference usually diminishes in a short time. A light application of Kinetex Adhesive may be required.

### **Joints**

Although a tight installation is required, care should be taken to avoid exerting excessive pressure when butting one module against another. This can result in buckled or peaked joints. It is important for the installer to do a periodic check throughout the installation for tightness. This check should occur after the placement of each 5 to 7 tiles to ensure proper alignment. Failure to effectively drop-in, or place modules will create the possibility for gaps and allow the subfloor to be visible between the tiles. These gaps may be more noticeable when viewed from a standing position.

### **Transitions**

Transition to Kinetex must accommodate a thickness of 3/16".

### **Stairs**

Use single or double undercut stair nosing and cut modules. Then, using full spread Kinetex Adhesive, install modules on steps and risers, inserting the stair nosing edge and the top of the riser edge of each module into the vinyl undercut.

### **Cutting/Trimming**

Kinetex modules may require cutting at perimeters, floor electrical outlets and door openings. Perimeter modules may be cut in the conventional way of letting them cover up the wall areas when cutting them down with a tool similar to Robert's Cushion Back Wall Trimmer; or they may be cut by measurement, cutting from the back using a carpenter's right angle square and a wall trimmer tool. Whenever modules are cut or trimmed, adhesive must be used. Small pieces of Kinetex modules should also have glue applied to the backing to help hold them in place.

### **Completing the Installation**

To avoid dislodging modules, do not walk on or move furniture onto modules until the area is completely anchored. Roll entire area with a 75-100 lb. roller in both directions (north-south and east-west). It is also required that sheets of plywood or hardboard be laid over the new modular surface when transporting heavy furniture on carts or dollies. As a final step, vacuum the entire area with an upright vacuum.

**NOTE: These installation recommendations are made for the experienced installer. Adherence to these procedures will result in a quality installation. Any questions concerning these recommendations or any special situation encountered should be directed to the J+J Customer Relations Department.**

### **Chair Pads/Mats**

The use of hard surface flooring chair pads/mats are highly recommended for use under chairs with roller casters for optimal appearance retention. The use of chair pads/mats with spikes will void all warranties.

### **Following the Installation**

Please refer to the Kinetex Adhesive instructions for more specific and complete details. However, please note the following requirements:

1. No rolling traffic is permitted on the completed installation for a minimum of 24 hours.
2. The new installation of Kinetex flooring is not to be cleaned for 48 hours utilizing any wet or chemical cleaning process.
3. The indoor temperature should never fall below 55° F, regardless of the age of the installation.