kinetex®
Textile Composite Flooring

Installation Instructions

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, 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.

Adhesive Requirements
Kinetex Adhesive is an aggressive, transitional hard set PSA (pressure sensitive adhesive) with limited working time, designed for the installation of Kinetex modules. It is nonflammable and both alkali and water-resistant. It has low odor and "zero" calculated VOCs, which make it ideal for use in schools, healthcare facilities, public buildings and anywhere odor is a concern. Kinetex Adhesive has MicroSept™ antimicrobial preservative and is CRI Green Label Plus™ certified. Warranty coverage requires the use of Kinetex Adhesive. Failure to use Kinetex Adhesive voids all warranty.

Kinetex modules should be placed into the adhesive when the adhesive has dried to transparent or the adhesive does not transfer when touched. Drying time will vary with temperature, humidity and air velocity; however, do not allow the adhesive to dry for more than two hours before installing the floorcovering. Without exception, roll the installation with a 75-100 pound roller, also inside of two hours of the module's completed installation.

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 substrate and room temperature between 65º–95ºF. 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 flat with all holes and cracks filled with Portland cement-based patch reinforced with polymers such as Mapei PlaniPatch. All floor patches must be primed using EF's Commercialon Premium Primer or equal prior to adhesive application. Kinetex Adhesive cannot be applied directly to any substrate where chemical or solvent based cleaners have been used. No moisture testing is required. Kinetex can tolerate 100% RH and pH of 12.0. There should be no condensation or standing water at the time of install.

Subfloors
No moisture testing required. Kinetex can tolerate 100% RH and pH of 12.0. Substrate temperature must between 65º–95ºF. Since both moisture and pH can increase over time, the manufacturer is not responsible for product failure as a result of changes to subfloor conditions, including increases in moisture / PH levels post installation.

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 Commercialon® Premium Sealer or else 2 roller applied applications of Commercialon Premium Primer. Follow instructions on the Commercialon® Premium Sealer or Primer label.

New Concrete – New concrete must be fully cured and free of surface moisture (see ASTM F 710). New concrete requires a curing period of approximately 30 days.

Subfloors *Continued*

Old Concrete – Dry, dusty, porous floors must be primed.

Terrazzo / Marble / Ceramic – 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.

GypCrete – Gypcrete subfloors must be fully cured and free of high moisture (see ASTM F 2170-2). Gypcrete requires a curing period of approximately 60 days. Gypcrete must be primed with 2 rolled on applications of diluted or undiluted Commercialon Premium Primer.

Raised Access Panel Flooring– Kinetex is not recommended and therefore is not approved for installation over raised access panel flooring.

Radiant Heated Floors-Kinetex is approved for installation over Radiant Heated type floors. The maximum surface temperature of the floors cannot exceed 85 degrees F. The minimum surface temperature cannot fall below 50 degrees F.

Full Spread Adhesive System
Installation requires full spread use of Kinetex Adhesive. The spread rate for Kinetex Adhesive is approximately 640 square feet per four- gallon bucket over a properly prepared floor and must be spread using a 1/16" x 1/16" x 1/16" V notched trowel. Kinetex adhesive is a transitional hard set PSA with limited working time. Allow the adhesive to dry until the anchor lines are visible and begin installation. Once the control lines are visible complete the installation within 2 hours, which includes trimming and rolling. Replace the trowel clip each time that a new 4-gallon pail of Kinetex Adhesive is opened. Kinetex adhesive average coverage is 640 SF per 4 gallon pail or 160 SF per one gallon pail.

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

Installing Kinetex Modules
After adhesive has cured (not to exceed two hours open time), 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. Follow approved installation method(s) for each specific product. **For Ashlar, Brick and Monolithic layouts,** orient the end or cross seams toward the source of natural light when possible. Roll with 75-100 lb. roller after completing install in work area, not to exceed two hours.

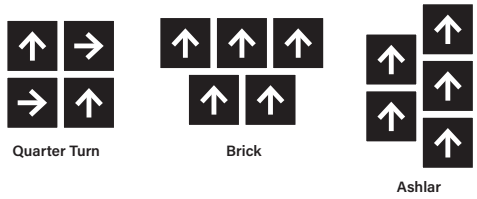
Alignment
As each module is installed, ensure that the installation is remaining "square" and conforming to the chalk lines. Drying time will vary with temperature, humidity and air velocity. Modules must be installed within two hours after adhesive has dried.

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

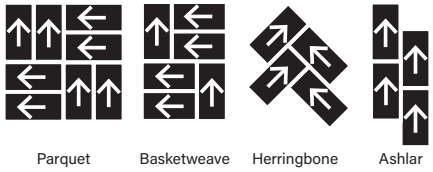
Adhesive Clean Up
Use a moist cloth when wet; if dry, use a solvent based product applied to a towel then worked onto the Kinetex module for removal of contaminants such as adhesive, paint, oil and grease. Follow manufacturer's instructions.

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.

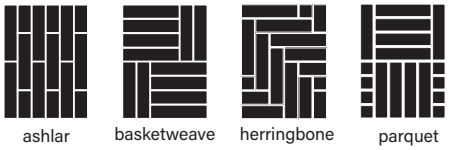
24" x 24" modules



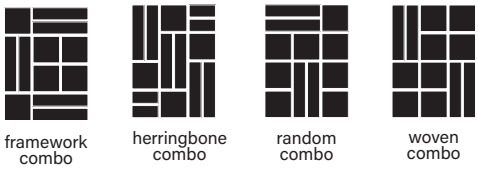
18" x 36" modules



12" x 48" modules



12" x 48" and 24" x 24" combo



Modular Install Pattern
Follow approved installation method(s) for each specific product. Kinetex modules have an arrow on the back of each module denoting 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, rotating around each side of the module gently. The 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 refresh 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 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
Transitions to Kinetex must accommodate a thickness of 3/16". Kinetex may also transition to 5 mm LVT with no transition strip necessary.

Stairs
Use single or double undercut stair nosing and cut modules. Since Kinetex will be flat to both the tread and riser, Use single or double undercut stair nosing and cut modules. Since Kinetex will be flat to both the tread and riser, use Kinetex Modular Adhesive. When 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. For installation of Kinetex Modular on steps, nosing is required. The nosing manufacturer's adhesive, or contact adhesive is required to secure the nosing material. The riser material should receive an application of Kinetex Adhesive on both the riser and the backside of the module in order to achieve a secure bond.

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 such as a 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 Customer Relations Department.

Chair Pads/Mats
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. The new installation of Kinetex flooring is not to be cleaned for 48 hours utilizing any wet or chemical cleaning process.
2. Chair glides and casters for use with Kinetex must be of a type specified / suitable for carpet or soft surface (narrow tip chair supports or 90 degree edges are not suitable). The correctly specified glide or caster will protect your investment from damage that may otherwise not be covered by the floor manufacturer's warranty.
3. Plastic Film Protection often includes adhesive. This type of protection is not recommended, as its adhesive can transfer to the Kinetex face causing aggressive soiling of the product. Instead, Kraft paper, hardboard or similar protection is recommended.