From our establishment in 1957, we have become one of the oldest exclusive manufacturers of commercial flooring in the United States. As one of the largest privately held mills, our FAMILY-OWNEESHPHSHIP provides a heritage of proven performance and expansive industry knowledge. Most importantly, our focus has always been on people... ensuring them that our products deliver the highest levels of BEAUTY, PERFORMANCE and DEPENDABILITY.

carpet | lvt | kinetex
Against the Grain

Milo and Oat, herringbone.
Against the Grain

- Quinoa
- Ashlar
- Barley
- Oat
- Rye
- Bran
- Wheat
- Spelt
- Millet
Against the Grain: Barley, basketweave.
where to use kinetex

Healthcare
- Acute care hospitals, medical office buildings, urgent care centers, outpatient surgery centers, outpatient physical therapy/rehab centers, outpatient imaging centers, etc.
- Cafeteria, dining areas
- Chapel
- Computer room
- Corridors
- Diagnostic imaging suites
- Dry physical therapy
- Elevators
- Exam/procedure rooms
- Gift shops
- Hyperbaric treatment rooms
- Lounges
- Nursing stations
- Offices/administration / conference rooms
- Patient rooms (family areas)
- Pharmacy
- Ramps/ramped corridors
- Staff lounge
- Waiting rooms

Education
- Early childhood development centers, preschool, k-12, higher education
- Auditoriums
- Classrooms/lecture halls
- Computer classrooms
- Dormitory rooms
- Food service areas
- Multipurpose rooms/auditorium
- Ramps/ramped corridors
- Faculty/administrative offices
- Faculty lounge
- Libraries

Commercial Offices
- Offices, call centers
- Offices
- Waiting areas
- Corridors
- Conference rooms
- Copy/mail rooms
- Break rooms
- Computer rooms

Fitness Centers
- Health Clubs/Gyms
- Cardio Centers
- Stationary Weight Centers
- Dry Locker Room Areas
- Snack Bars
- Offices

Retail / Mercantile
- Wholesale/Retail merchants
- Checkout/cash wrap
- Dressing rooms
- Sales floor
- Offices
- Employee break areas

Hospitality
- Hotels
- Corridors
- Conference rooms
- Guest rooms
- Dining rooms
- Business centers
- Activity rooms
- Common areas
- Computer rooms

Transportation / Public Venues
- Airports, bus/train stations, performing arts centers, athletic arenas
- Ticketing/baggage claim
- Concourses
- Jetways
- Conference rooms
- Waiting areas
- Administrative offices/ATC
- Airline clubs/USO
- Chapel
- Large public spaces
- Theaters

Kinetex® is an advanced textile composite flooring that combines key attributes of soft-surface floor covering with the long-wearing performance characteristics of hard-surface flooring. Created as a unique floor covering alternative to hard-surface products, J+J Flooring Group’s Kinetex encompasses an unprecedented range of performance attributes for retail, healthcare, education and institutional environments.

In addition to its human-centered qualities and highly functional design, Kinetex offers a reduced environmental footprint compared to traditional hard-surface options.

The key to the high-performance attributes of Kinetex lies within its construction. Each layer, when used together, creates versatile, lightweight, soft-surface flooring designed with qualities parallel to that of hard-surface.

Kinetex Construction

- Wear Layer/Face Fiber: Abrasion and Ravel Resistant Knitted Fabric
- Cushioned Backing: Polyester Felt
- Thermally Fused

Kinetex Overview

Cushioned Backing
Polyester Felt

 AGAINST THE GRAIN

 AGAINST THE GRAIN 11
Performance by the Multitudes
(and for the Multitudes)

A growing body of research correlates certain aspects of the built environment, such as acoustics, indoor air quality, glare and ergonomics, with measurable outcomes related to productivity, health, safety and effectiveness. Flooring can play a pivotal role in achieving positive outcomes when positioning these factors in many institutional environments. Combined with the practical approach of evidence-based design, Kinetex provides a solid foundation for performance-driven settings.

1 | Durability
With outstanding dimensional stability and crush resistance, Kinetex has withstood over 5 million foot traffic events with minimal wear at a popular Florida-based entertainment venue. That equals to more than the total number of people who have attended every Super Bowl since the first game, over 50 years ago.

2 | Maintenance
Kinetex cleans easily with vacuuming, encapsulation cleaning or hot water and materials. such as blood, urine, Betadine and hand sanitizers. The maintenance of Kinetex therefore dries quickly. Kinetex resists the most challenging staining agents, such as airborne particles by sequestering emissions and substantially minimizes injuries from pushing and pulling.

3 | Health
With outstanding dimensional stability and crush resistance, Kinetex has withstood over 5 million foot traffic events with minimal wear at a popular Florida-based entertainment venue. That equals to more than the total number of people who have attended every Super Bowl since the first game, over 50 years ago.

4 | Safety
Kinetex’s unique construction creates one of the most slip resistant flooring surfaces ever tested, wet or dry — reducing the potential for slip and fall injuries. It has been certified by the National Floor Safety Institute (NFSI) as a high traction surface. Its unique low profile also has minimal rolling resistance, potentially reducing injuries from pushing and pulling.

5 | Acoustics
Kinetex offers one of the highest Noise Reduction Coefficients (0.30) and Impact Insulation Classifications (46.0) of any commercial flooring product. This unparalleled acoustical performance results in dramatic reductions in both airborne and structure borne noise. Its excellent Impact Insulation Classification effectively promotes greater voice recognition, fewer mistakes, less vocal strain, enhanced learning and improved occupant perception.

6 | Comfort
Kinetex’s high-density backing and soft textile surface provides exceptional anti-fatigue properties along with minimal rolling resistance. It eliminates the potential to absorb energy and reduce both repetitive stress injuries as well as injuries related to walking and moving frequently from place to place.

7 | Sustainability
Due to its lower mass, Kinetex has a 50 percent lower environmental impact compared to other commercial floorings. With more than 55 percent recycled content, Kinetex is NSF/ANSI-140 Platinum certified. In addition, Kinetex is easily recycled into the next generation of itself - as easily as an aluminum can. All Kinetex products also carry a Third Party verified DECLARE label, affirming Kinetex as both a simple and sustainable flooring solution.

8 | High-Tolerance Solution for Moisture Transmission in Concrete

Kinetex will perform in elevated RH idiots.

<table>
<thead>
<tr>
<th>Installation System</th>
<th>Max RH, % without sealer</th>
<th>Max RH, % with Commercial Premium Sealer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kinetex with Adhesive</td>
<td>95 RH, %, p &lt; 11</td>
<td>95 RH, %, p &lt; 11</td>
</tr>
<tr>
<td>ProfiX Kinetex*</td>
<td>100 RH, %, p &lt; 11</td>
<td>No Testing Required</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Module Mitigation Cost</th>
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<tr>
<td>$4</td>
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</table>

The breathable nature of this product allows moisture to pass through the backing rather than trap it underneath. This method of vapor transmission allows Kinetex to be installed without costly moisture mitigation.

6 | Cushioning Properties Related to Standing Fatigue

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<tr>
<th>Cushioning Properties Related to Standing Fatigue</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max RH, %</td>
</tr>
<tr>
<td>Kinetex</td>
</tr>
<tr>
<td>Hard Surface</td>
</tr>
</tbody>
</table>

6 | railing Mobility Safety

6 | Breathing Zone Analysis

<table>
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<tr>
<th>Breathing Zone Analysis</th>
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<tbody>
<tr>
<td>Kinetex</td>
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</table>

6 | Life Cycle Cost Comparison – The True Cost of Ownership

Kinetex has a significant cost advantage over hard-surface floors, a critical factor at a time when administrators, managers and others are operating their facilities on greatly reduced budgets. The life cycle cost of ownership — defined as the cost of flooring materials, installation and maintenance over a seven to 10-year period — for Kinetex is approximately 35% less than rubber flooring, 35% less than LVT flooring and 55% less than VCT flooring. This offers substantial savings over the life span of the flooring installation.

Kinetex Installation
Installing Kinetex is as easy as traditional modular carpet, however special attention should be applied until inspectors gain experience with module placement. Installers should perform site and material conditioning, surface preparation, and concrete pH and moisture testing as if they were installing J+J Flooring Group carpet modules. Because it is such a lightweight material, the modules cut very easily, reducing installation time. Kinetex uses J+J Flooring Groups proven adhesive systems with lifetime performance warranties.

PreFix®
All applied pattern Kinetex products feature PreFix Pre-Applied Releasable Adhesive. PreFix includes a release liner that easily peels away to reveal a series of pre-applied adhesive strips that securely anchor the Kinetex module in place. Products with PreFix will perform in elevated RH slabs up to 100% without sealer and no testing required with Commercial Premium Sealer, allowing the flooring to be installed without costly moisture mitigation. PreFix offers a quick installation system, and, while standard on applied pattern products, it can be added to non-applied pattern Kinetex products as an optional adhesive.

Kinetex Adhesive
Non-applied pattern Kinetex products feature the proven releasable spread system, Kinetex Adhesive. This adhesive is formulated for Kinetex textile composite flooring products and is formulated to bond the textile composite to the properly prepared substrates for the life of the installation. Products with Kinetex Adhesive will perform in elevated RH slabs up to 95% without sealer and up to 99% with Commercial Premium Sealer. Both PreFix and Kinetex Adhesive offer the flexibility to simply remove and replace individual modules if conditions warrant a quick fix.

Please see the Kinetex installation instructions for full installation details.

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Warranties

We stand behind every aspect of Kinetex and extend certain lifetime warranties. Each warranty is covered for the useful life of the product, provided that installation and maintenance is in accordance with J+J Flooring Group's Kinetex Installation Instructions.

Wear Layer Warranties

• Lifetime Product Performance
• Lifetime Colorfastness to Light & Croaking
• Lifetime Stain Removal
• Lifetime Static Protection

Buckling Warranties

• Lifetime Protection from Edge Panel
• Lifetime Protection from Delamination Failure
• Lifetime Dimensional Stability

Accolades

Kinetex is one of the most extensively flooring products to ever be introduced. In addition to its unprecedented range of performance attributes, the human-centered qualities and highly functional design have quickly garnered attention. Below is a list of current awards and recognitions that Kinetex has received:

• 2018 NeoCon Silver Award (Umbra / Umbra Stripe)
• 2018 Nightingale Award (American Hospitality Design Award)
• 2018 Best of NeoCon, Hard Surface – Hard Surface (Tri-plex)
• 2018 Nightingale Award (Umbra / Umbra Stripe)
• 2018 Top Ten Green Building Product (BuildingGreen, Inc.)
• 2018 Greenbuild Award (Floorcovering Weekly)
• 2018 Grand Prize Winner for Product Innovations (Building Magazine)
• 2018 Excellence in Product Development (British Institute of Facilities Management)

Technical Details

Environmental Attributes

Recyclability

100% stand-up recyclable

Recycled content

>55% (post consumer/industrial)

LEED credit score

IIE 6.1 and IIE 6.3

NSF/ANSI 160 certification

platinum

Testing

Flooring radiant panel

less than 650 (flaming & non-flaming)

Smoke density

less than 20.0

Electrostatic propensity

less than 3.0 kv

Flammability to light

rating of 4.0 or greater

Flammability to crocking

rating of 4.0 or greater

Water repellency

rating of 4.0 or greater

Appearance retention

60 or greater

Silt resistance

Complex with ADA Guidelines for level surface

NSF Certified, High-Traction

temperature

0.73

Noise reduction coefficient

NRC Rating: 0.35

Impact insulation classification

IIC Rating: 64**

Stain resistance

resists most challenging stains

Indoor air quality certification

CRI Green Label Plus™

Adhesive

PreFix® Pre-applied releasable adhesive

Installation Methods

ashlar basketweave herringbone parquet

**IIC is a rating of the insulation from impact noise. The higher the IIC rating, the greater the ability of the flooring product to absorb airborne noise. Independent laboratory testing of Kinetex has shown an average IIC Rating of 0.04 (bare concrete flooring) and typically provide a NRC Rating of 0.08.

* NFRC is a rating of the insulation from impact noise. The higher the NFRC rating, the greater the ability of the flooring product to absorb airborne noise. Independent laboratory testing of Kinetex has shown an average NRC Rating of 0.5 (bare concrete flooring) and typically provide a NRC Rating of 0.7. These products may vary depending upon individual tile placement, lighting, and overall space layout, including furnishings. Final tile placement and the resulting visual is thus the customer's, and not J+J Flooring Group's responsibility.

Green Circle - Zero Waste to Landfill Operations Certification

We are proudly certified as a Zero Waste to Landfill manufacturer by GreenCircle Certified, LLC, a prominent third-party certifier of environmental claims. We are the first commercial flooring manufacturer in the United States to achieve this landfill free status and the first company in the industry to have its waste diversion efforts audited and verified by a recognized, third-party certifier.

To learn more about zero waste or our other initiatives see our sustainability progress report online at jjflooring.com/sustainability

`The J+J Group’s Kinetex has received a Gold, Hard Surface (Umbra / Umbra Stripe) Product of the Year, Flooring (Tri-plex) 2018 Mixology 18 Awards.`

`The J+J Group’s Kinetex has received a Lifetime Dimensional Stability, Lifetime Protection from Edge Panel, Lifetime Protection from Delamination Failure and Lifetime Dimensional Stability.`

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