

Play to win

LUMAFLEX



TARKETT SPORTS IS A WORLD LEADER IN ATHLETIC SURFACING,
OFFERING A COMPREHENSIVE PORTFOLIO OF INDOOR AND OUTDOOR SPORTS SURFACES.
OUR MISSION: TO OFFER SUSTAINABLE SPORTS SURFACES
THAT MAKE THE DIFFERENCE FOR ATHLETES.



TARKETT SPORTS BRAND

Tarkett Sports is a world leader in athletic surfacing, offering a comprehensive portfolio of sports flooring solutions through its brands: FieldTurf, FieldTurf Landscape, Beynon Sports, Renner Sports, Tarkett Sports Construction, GrassMaster, and Tarkett Sports Indoor.



DESIGN & CONSTRUCTION EXPERTS

Tarkett Sports and our partners are some of the most experienced and knowledgeable teams in the industry. When it comes to the design and construction of your sports surface, we are the experts.



FINANCIALLY STABLE

The Tarkett Group is a worldwide leader in innovative flooring and sports surface solutions. Tarkett Sports Indoor is backed by leading financial support and stability. You can rest easy.



LEADING DURABILITY

Manufactured and installed with the highest attention to detail, Tarkett Sports Indoor systems showcase proven durability.



EXPERIENCE

With over 10,000 installations in North America in the last 10 years, Tarkett Sports Indoor has the knowledge and expertise to make your sports facility a success.



TRUSTED

Tarkett Sports Indoor offers some of the most trusted sports flooring solutions for a variety of applications and programs.



ENDLESS PURSUIT OF INNOVATION

From the Dropzone rubber, PolyTurf Plus Pad & Pour system, Omnisports vinyl sports flooring, ClutchCourt wood, and LinoSport linoleum, our innovation and versatility extend beyond just sports. We're there to support your team.



SERVICE

We are as committed to your program as you are, and we're with you for the long term. When you buy from Tarkett Sports, you're buying from a company that knows how to take care of you.

LUMAFLEX

Everything we do and how we do it aims to make the process easier for you. We focus on ensuring your experience is memorable and hassle-free.

We understood long ago that a successful sports surface relies on a quality product installed by a quality team. We've built our Lumaflex Series by combining the best systems with the best people and the best partners. You can trust the renowned quality of Tarkett Sports Indoor products and the proven experience of our team.

With Lumaflex, our combination elastic flooring system, you benefit from the perfect combination of a high shock absorption cushioned plywood subfloor below a resilient athletic surface.

We're ready to partner with you on your next project. Let's get started!

SPORTS FLOORING ELASTICITY

To better understand the science behind combination systems, let's review the types of sports flooring elasticity. Depending on how it responds to an athlete, a sports floor can be classified based on its elasticity. The most common types of elasticity are area-elastic and point-elastic. The key difference relates to the relative area of deflection when a downward force is applied to the surface.



AREA-ELASTIC COMMON WITH HARDWOOD FLOORING

Wood sports flooring typically consists of a solid surface with shock absorbing pads underneath. Since hardwood surfaces are not as pliant as other materials, vertical deformation occurs over a large area when a force is applied, dispersing energy farther across the surface. With area-elastic flooring, a larger area of the surface is engaged in returning energy to the athlete. However, an inherent property of area-elastic floors is a dissimilar performance over the entire surface. This is due to an unavoidable lack of uniformity in the placement of shock pads, sleepers, and other subfloor supports.



POINT-ELASTIC COMMON WITH VINYL, POLYURETHANE & LINOLEUM

These gym flooring options have uniform performance across the whole playing surface. This means that every location on the floor will have almost identical shock absorption, ball rebound, and vertical deformation. Also, the area of deformation on point-elastic flooring is much smaller than area-elastic systems. One benefit of this is that the surrounding areas of the floor remain relatively unchanged by activity in a particular area. In essence, a point-elastic floor interacts with each athlete on an individual basis.

THE SCIENCE BEHIND LUMAFLEX

Lumaflex systems combine point-elastic surface properties with an area-elastic substructure. This gives athletes significantly more comfort, thanks to great vertical deformation and cushioning. The system delivers uniformity and significant shock absorption. It really is the best of both worlds.



COMBI-ELASTIC LUMAFLEX FLOORING SYSTEMS

Combi-elastic systems, also called combination systems, consist of an area-elastic substructure with a point-elastic resilient surface. By engaging both types of elasticity, they respond to impact both locally and across the wider surface area. As a result of this dual response, combination systems are widely regarded as one of the best sports flooring options in terms of comfort and safety. Combination systems also provide a high degree of uniformity and are typically ranked in the higher classes of shock absorption per ASTM F2772 – See Page 14.

- Leading shock absorption
- Leading comfort
- Consistent ball-to-surface playability
- Surface uniformity
- Meets ASTM F2772 Class 4 or Class 5

THE BEST OF BOTH WORLDS



SIMPLE MAINTENANCE

Hardwood maple systems are hygroscopic in nature with applied finishes that demands an additional measure of care. Maintenance regimens such as screen, recoats and occasional full sanding and refinishing are necessary. When choosing Lumaflex with any of our resilient surfaces, it's quite the opposite. Facilities benefit from a simplified maintenance program without sacrificing performance. Just like hardwood, but easier.



LOWER OWNERSHIP COST

A Lumaflex system offers a lower ownership cost when compared to standard hardwood floors, as you remove the need for hefty annual maintenance requirements, such as screening and recoating the top coat and full sanding and refinish every 10 to 20 years.



TABLES & CHAIRS, BRING IT ON

Lumaflex delivers a floor that offers exceptional resistance to staining, scuffing, and rolling loads. As a true multi-purpose system, Lumaflex can be used for a wide variety of events including competitive & recreational sports as well as accommodate tables*, chairs*, and stages*.

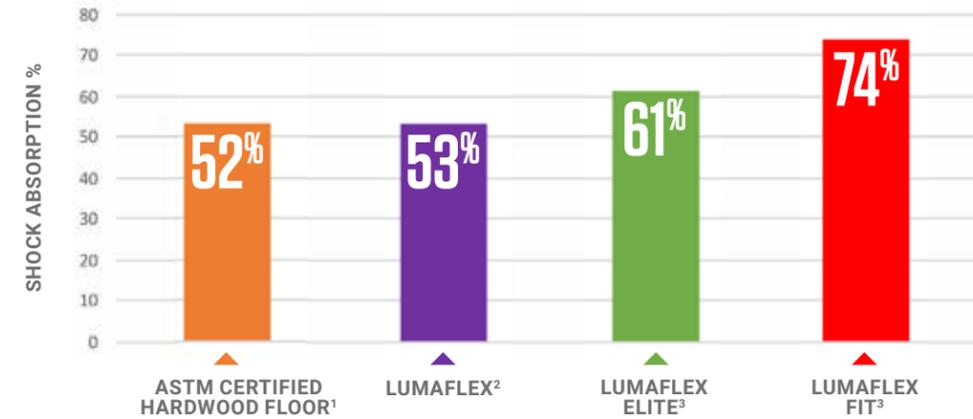


NEARLY UNLIMITED DESIGN POSSIBILITIES

With our leading portfolio of surfacing systems and colors, you can create your dream facility. With a vast array of woodgrain designs, your facility can play like hardwood and look like hardwood but with all the advantages of a resilient floor.

*Some additional protection may be necessary. Always refer to your maintenance guidelines & warranty before use.

WITH LEADING SHOCK ABSORPTION



¹Report Number F2772-072110-01 • ²Report Number F2772.11-021412-01 • ³Report Number 0249696

LUMAFLEX OFFERS ATHLETES PREMIER AND MORE UNIFORM PERFORMANCE. THIS INCLUDES CONSISTENT BALL BOUNCE, CUSHION, AND SURFACE FINISH PROVIDING A UNIFORM PLAYING EXPERIENCE.





FOR THE ATHLETE & FOR THE PLANET

Because sustainable sport is integral to the wellbeing of our communities, preserving our ecosystems is a part of what drives all of our product innovation. After all, if there's no planet, there's no play. Our commitment to sustainability is focused and unwavering.

- OMNISPORTS & LINOSPORT PRODUCTS ARE 100% RECYCLABLE
- CRADLE TO CRADLE CERTIFIED™ SILVER CERTIFICATION - LINOSPORT
- POLYTURF PLUS SYSTEMS GREENGUARD GOLD CERTIFIED
- FIRST MANUFACTURER TO RECEIVE A MATERIAL HEALTH STATEMENT (MHS)



DESIGNED TO BE SAFE



NOTHING IS MORE IMPORTANT

THAN THE SAFETY OF YOUR ATHLETES

Indoor air quality is essential for the health of athletes—especially children, who are exposed to a higher risk of indoor pollution due to immature lungs. The materials in the Omnisports range were carefully selected to deliver a surface that provides optimal indoor air quality.



PHthalate-FREE MANUFACTURING

As part of Tarkett's initiative for sustainability and eco-innovation, Omnisports is one of the only phthalate-free resilient sports floors available in North America.

- Improves the indoor environment and air quality
- Same components used in food containers and children's toys



ASTHMA & ALLERGY FRIENDLY

Omnisports was the first sports surface to be certified asthma & allergy friendly, providing a healthier sports flooring solution. When combined with Multi-Poxy Adhesive from Tarkett Sports, Omnisports Multi-Use, Active+ and PurePlay with popular GreenLay™ installation exceed all of the asthma & allergy friendly certification standards.

- Low VOC emissions
- Low allergen retention



LOW VOCs AND BETTER INDOOR AIR QUALITY

A healthy indoor environment begins with low levels of volatile organic compounds (VOCs).

- VOC emissions less than 10 micrograms per cubic meter*
A lower VOC emission rate than most other resilient sports floors
*VOCs after 28 days (ISO 16000)
- Complies with California Section 01350, the most stringent air quality regulation in the U.S.

TRUSTED AT ALL LEVELS

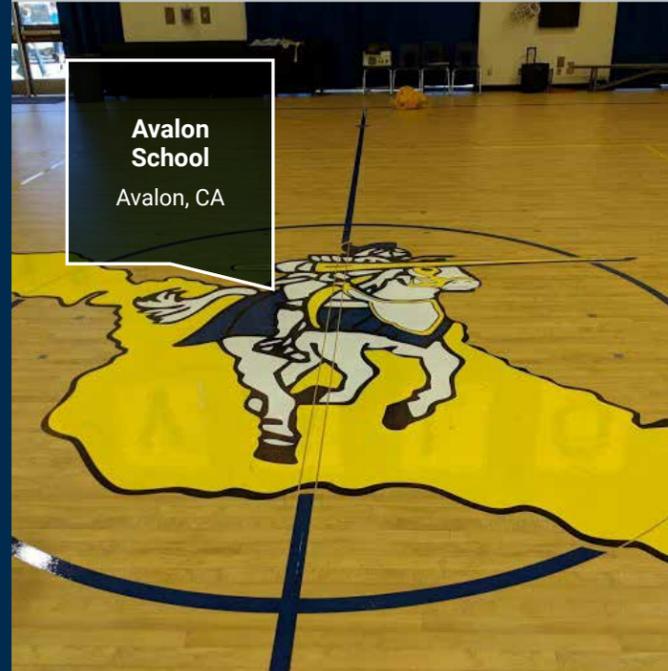
THE LEADING CHOICE FROM COAST TO COAST



Pastore Youth Center
Cranston, RI



Clark Recreation Center
Clark, NJ



Avalon School
Avalon, CA



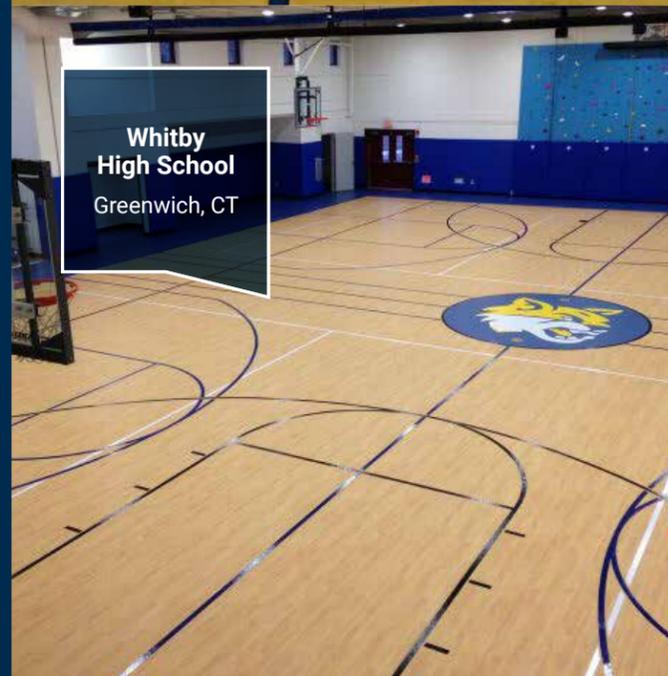
South Kingstown High School
South Kingstown, RI



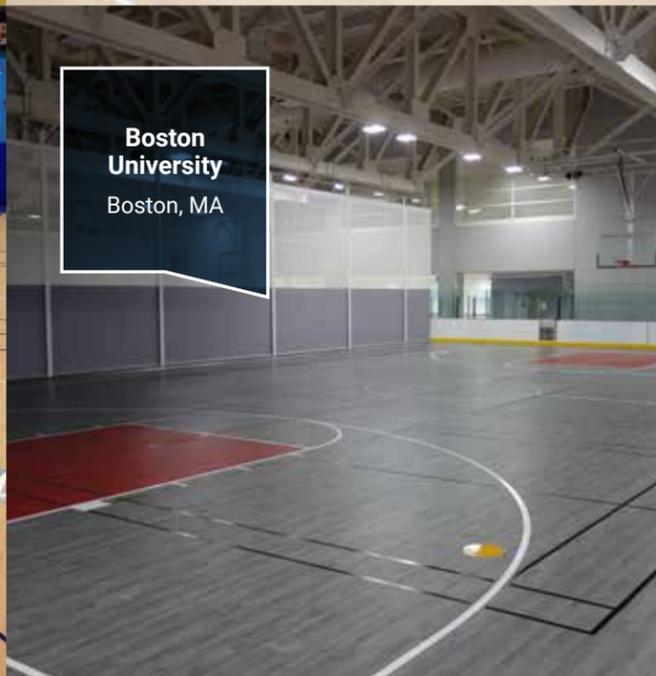
Walls Elementary School
Kent, OH



John F. Hughes Elementary School
Utica, NY



Whitby High School
Greenwich, CT



Boston University
Boston, MA



Wellesley College
Wellesley, MA



Yorkshire Suburban High School
York, PA

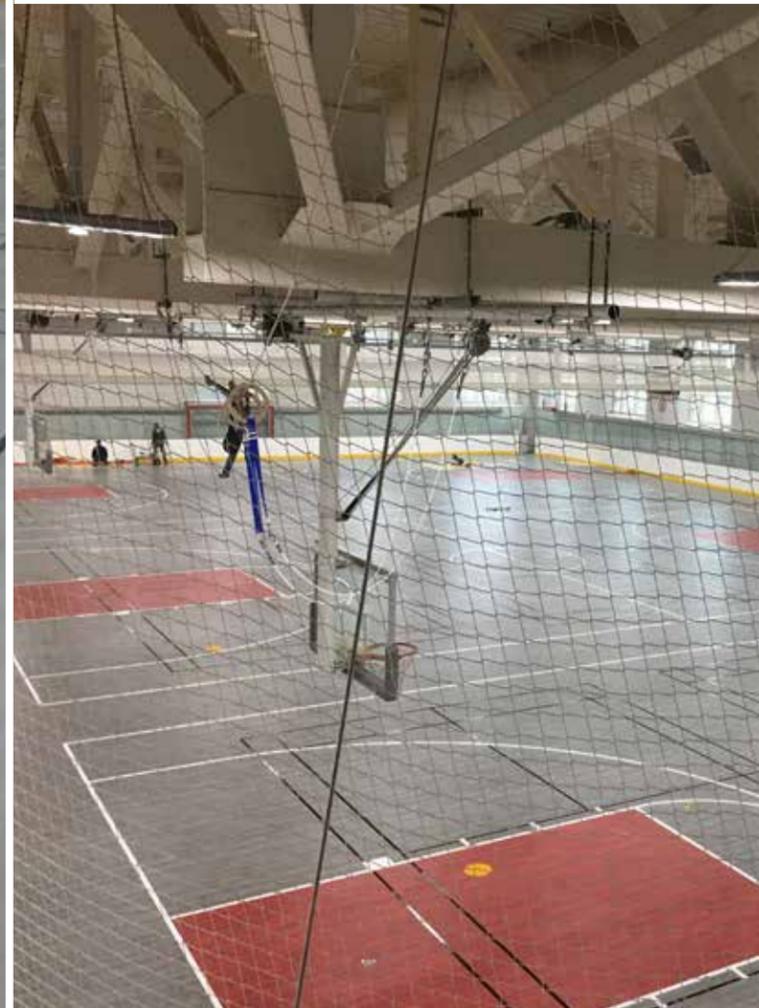


TRUSTED CHOICE at Boston University



"The big part of our decision making process here at BU was how a new floor would be able to handle serving multiple functions and multiple sports on an almost daily basis. We wanted to convert a gym area to a space worthy of large scale receptions and other more elegant occasions. When we ultimately decided on Lumaflex flooring from Tarkett Sports, we knew we had made the right decision. The look of it was absolutely stunning, and important criteria such as durability, shock absorption, and ease of maintenance passed with flying colors!"

ALEXANDER C SOUTHALL
ASSOCIATE DIRECTOR OF
OPERATIONS & PROGRAMS
BOSTON UNIVERSITY



UNDERSTANDING SPORTS FLOORING

To help guide you to the right system for your facility, we rely on the independent flooring standard, ASTM F2772. This way, you can better evaluate and compare similar systems. Let's focus on the facts and cut out the noise.

HOW DOES THE SPORTS FLOORING STANDARD WORK?
It focuses on four critical areas:

1 FORCE REDUCTION (SHOCK ABSORPTION)

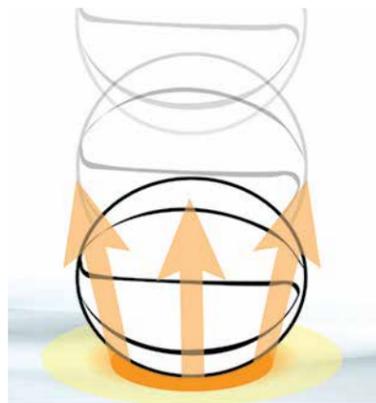
Force reduction (also called "shock absorption") evaluates a surface's ability to reduce impact force. The standard has set a minimum value of 10% force reduction and categorizes the remaining range into five Classes, of which Class 5 has the highest force reduction.



2 BALL REBOUND

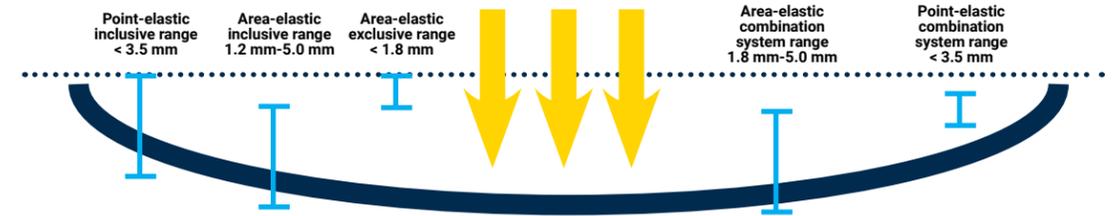
Ball rebound (also called ball bounce) is a mechanical property that determines a surface's suitability for basketball. It is tested according to ASTM F2117 and accounts for two parameters: performance level (average performance of test points must reach a minimum of 90%) and uniformity level (test point deviation cannot exceed 3% of the average of all tests). Ball rebound is based on the responsiveness of a ball and its interaction with the surface. It is calculated by comparing the ball's rebound height on the sports surface to the rebound height of the same ball on concrete.

This area is concluded as a pass or fail, no classes.



3 VERTICAL DEFORMATION

Vertical deformation values indicate the ability of the surface to deform under load. High deformation can affect the safety of the athlete, causing instability of the foot, while low deformation may cause injuries as a result of immediate impact force.



4 SURFACE FINISH EFFECT (FRICTION)

Surface finish effect describes a surface's response to a sliding foot, typically under dry conditions. It is tested according to ASTM E303 and accounts for two parameters: performance level (testing must achieve a value between 80-110) and uniformity level (individual tests cannot vary more than 4 points from the average value).



Lumaflex is a **Class 4**, high-performing competitive gym flooring solution that provides an unparalleled combination of deformation, performance, safety, and comfort. By adding an area-elastic birch plywood sub-system to a point-elastic surface, Lumaflex provides the athlete with the best of both worlds.



1

SHOCK-ABSORBING FOAM

The Lumaflex shock-absorbing foam can be modified to accommodate different slab depressions. In addition to providing high levels of shock absorption, it is also **GREENGUARD** Gold certified as a low-emitting interior building material.

2

UNIFORM STRUCTURAL SUPPORT

These 18 mm birch plywood planks provide stability and a uniform structure for resilient sports surfaces. They are made exclusively from birch, one of the most stable species of wood.

3

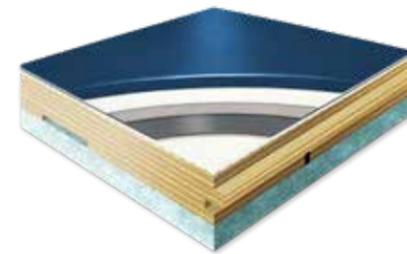
RELIABLE BONDING & ASSEMBLY

Each birch plywood plank incorporates an off-set, interlocking tongue-and-groove edge that is glued using Tarkett's specifically designed application nozzle. This allows for an efficient and reliable installation.

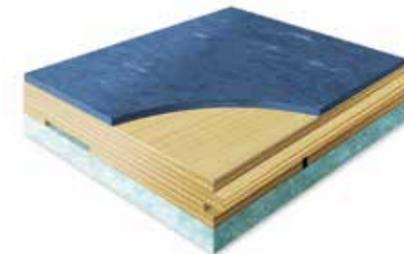
LUMAFLEX SURFACING OPTIONS

RESILIENT POINT-ELASTIC SURFACE: LUMAFLEX CAN BE SURFACED WITH A VARIETY OF TARKETT SPORTS' ATHLETIC FLOORING SYSTEMS.

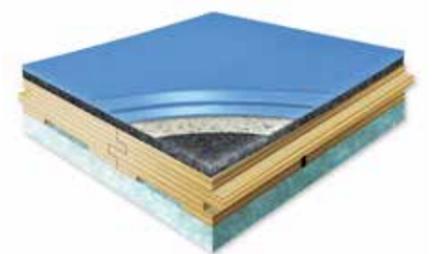
OMNISPORTS



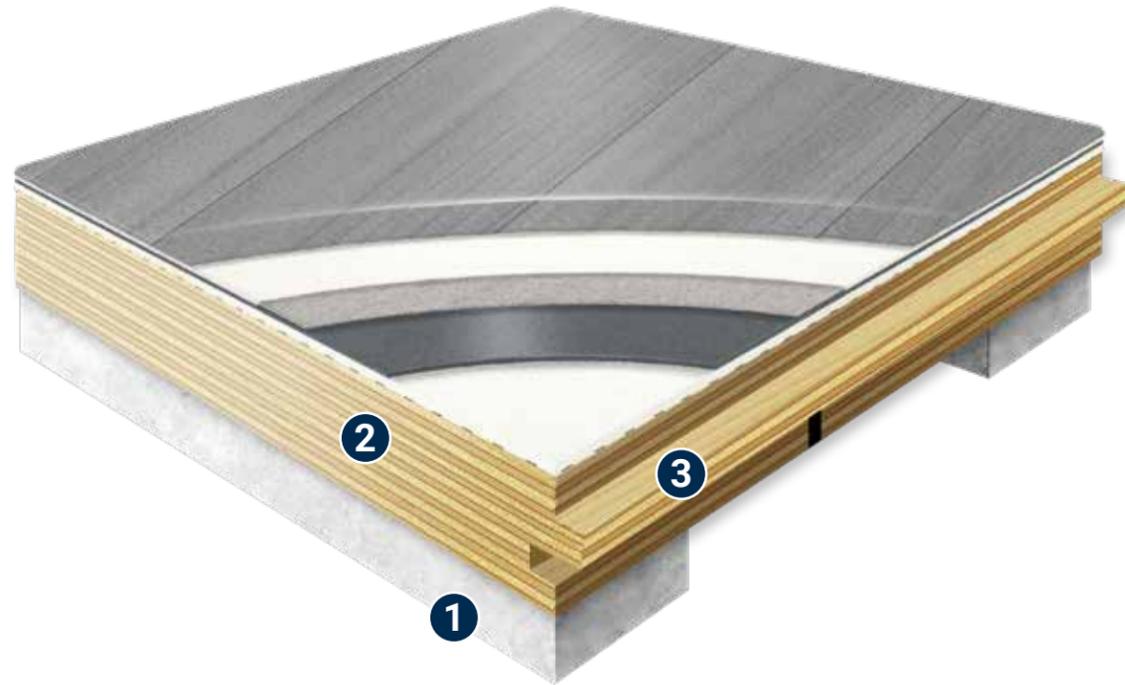
LINOSPORT



POLYTURF



Lumaflex Elite is a **Class 5**, high-performing gym flooring solution that provides an unparalleled combination of deformation, performance, safety, and comfort. By adding an area-elastic birch plywood sub-system to a point-elastic surface, Lumaflex Elite brings your game to another level.



1

ELITE CUSHION STRIPS:

Lumaflex Elite is equipped with Tarkett Sports' premier continuous cushion 1/2" x 3" strips of foam, which act as a sleeper system. The system will achieve Class 5 shock absorption with any of the available surfacing systems.

2

UNIFORM STRUCTURAL SUPPORT

These 18 mm birch plywood planks provide stability and a uniform structure for resilient sports surfaces. They are made exclusively from birch, one of the most stable species of wood.

3

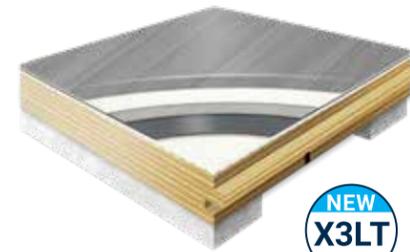
RELIABLE BONDING & ASSEMBLY

Each birch plywood plank incorporates an off-set, interlocking tongue-and-groove edge that is glued using Tarkett's specifically designed application nozzle. This allows for an efficient and reliable installation.

LUMAFLEX ELITE SURFACING OPTIONS

RESILIENT POINT-ELASTIC SURFACE: LUMAFLEX ELITE CAN BE SURFACED WITH A VARIETY OF TARKETT SPORTS' ATHLETIC FLOORING SYSTEMS

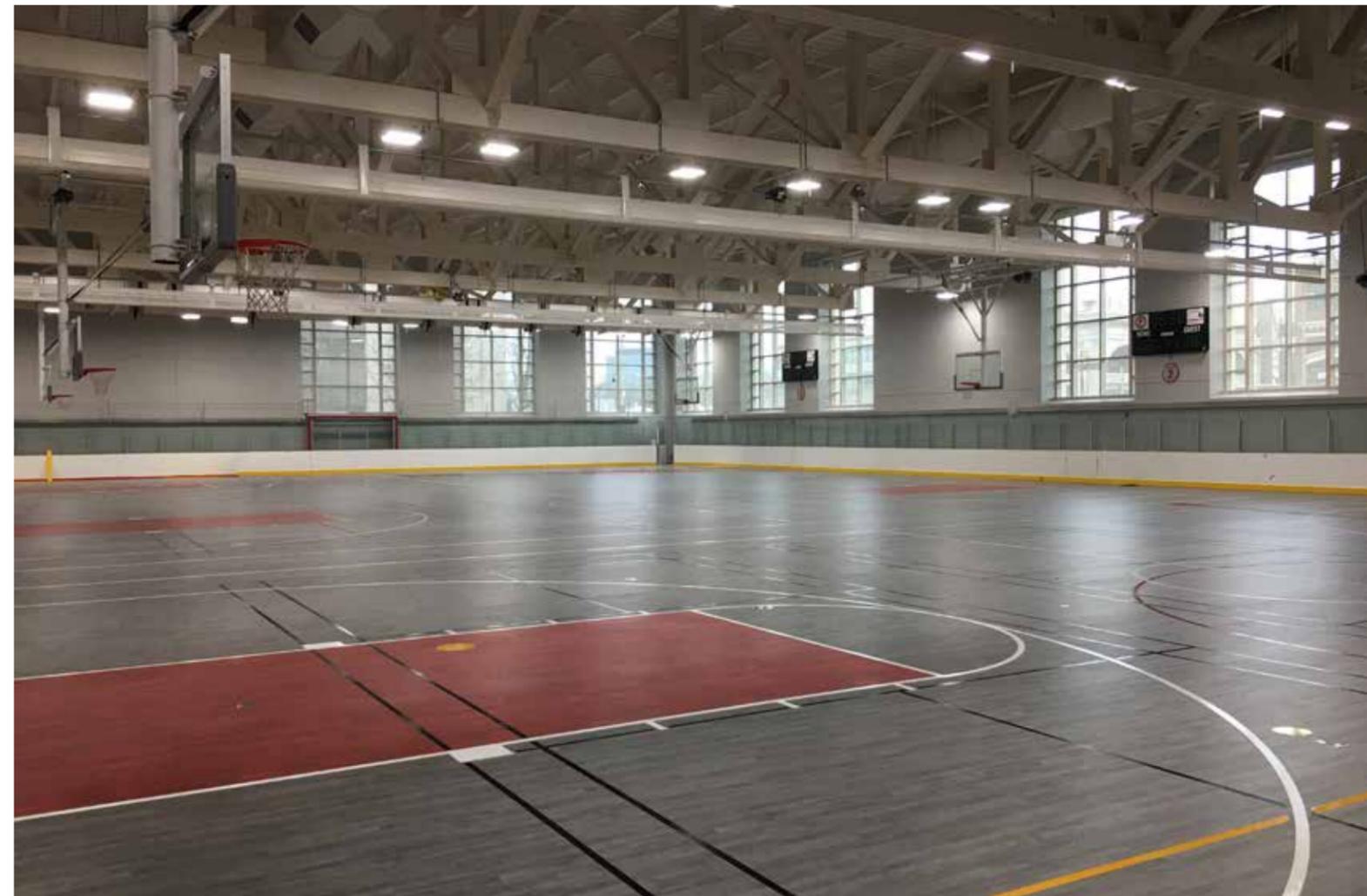
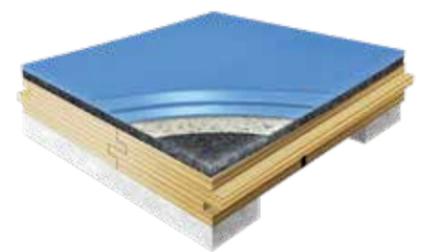
OMNISPORTS



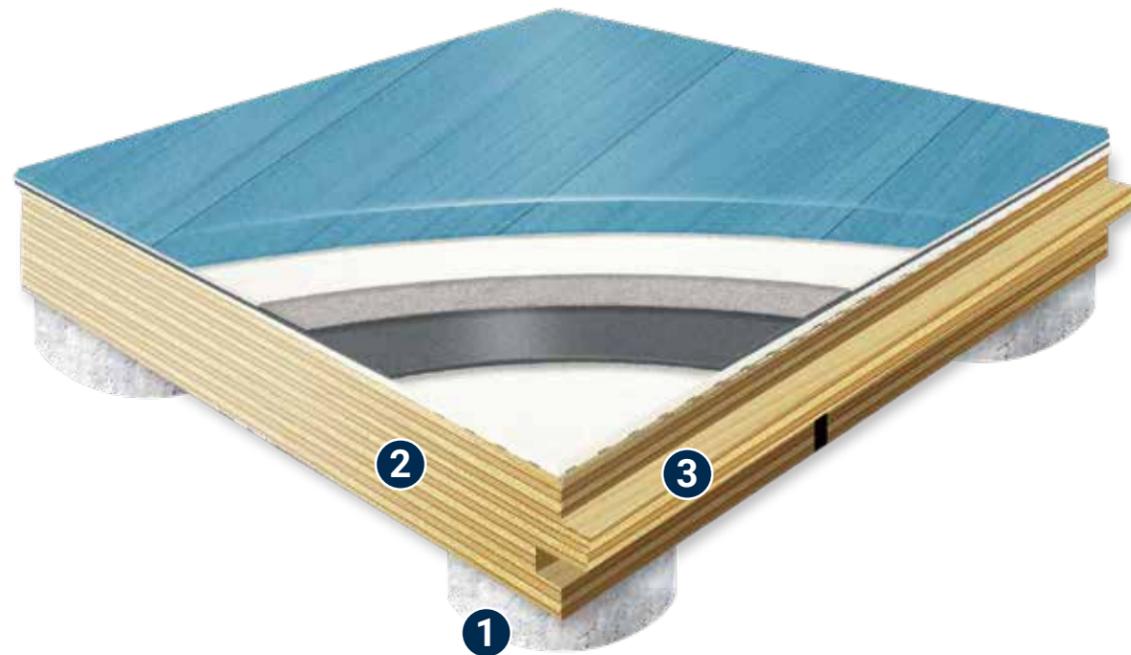
LINOSPORT



POLYTURF



Lumaflex Fit is a **Class 5** competition-level fitness and aerobics flooring solution that provides an unparalleled combination of deformation, performance, safety, and comfort. By adding an area-elastic birch plywood sub-system to a point-elastic surface, Lumaflex Fit brings fitness to another level.



1

SHOCK-ABSORBING FOAM

Lumaflex Fit is equipped with Tarkett Sports' Pro 1 pads that are round 1" thick cushion pads. The force reduction reaches >70%.

2

UNIFORM STRUCTURAL SUPPORT

The 18 mm birch plywood planks provide stability and a uniform structure for resilient sports surfaces. They are made exclusively from birch, one of the most stable species of wood.

3

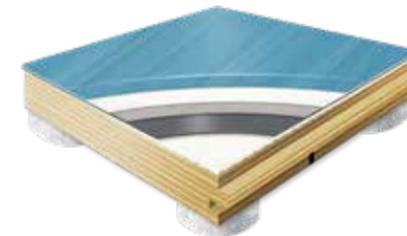
RELIABLE BONDING & ASSEMBLY

Each birch plywood plank incorporates an off-set, interlocking tongue-and-groove edge that is glued using Tarkett's specifically designed application nozzle. This allows for an efficient and reliable installation.

LUMAFLEX FIT SURFACING OPTIONS

RESILIENT POINT-ELASTIC SURFACE: LUMAFLEX FIT CAN BE SURFACED WITH THE OMNISPORTS RANGE OF SYSTEMS AND DANCEFLOOR

OMNISPORTS

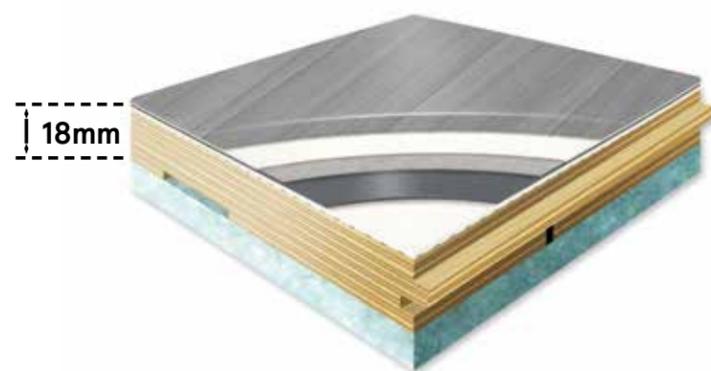


DANCEFLOOR



Lumaflex is a technical sub-construction designed to meet different flexibility and tension requirements.

- A Lumaflex system can correct the profile difference of a recessed slab with shock-absorbing foam, giving you a top-tier system with the low maintenance and versatility of a resilient sports surface.
- The unique off-set, 18 mm, double tongue-and-groove plywood planks provide unparalleled stability and a uniform structure.
- This revolutionary system, in conjunction with a Tarkett Sports resilient point-elastic surface, enables the floor to withstand the heaviest point loads typically found in sports facilities.
- High-density foam on the whole surface for homogeneous/ continuous absorption and better acoustic insulation.

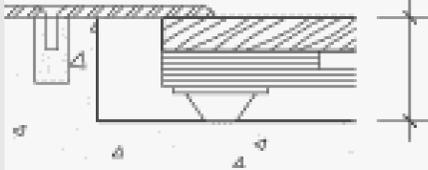
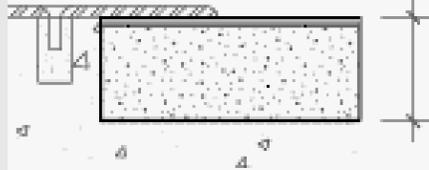
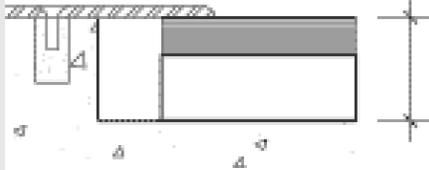


LUMAFLEX SYSTEM



UPGRADING TO LUMAFLEX

If you are replacing a hardwood sports floor, your challenge is a recessed concrete slab that is lower than the rest of your facility. Below are three replacement possibilities.

OPTION 1	OPTION 2	OPTION 3
<p>REPLACE WITH HARDWOODS</p>  <p>This option offers the high shock absorption of area-elastic flooring, but it perpetuates costly upkeep and may provide less versatility.</p>	<p>FILL THE GAP</p>  <p>This option adjusts the profile, but it adds no additional sports performance properties like shock absorption and can be very costly to install.</p>	<p>UPGRADE TO A LUMAFLEX SYSTEM</p>  <p>The Lumaflex system corrects profile difference while adding class 4 or 5 shock absorption, plus the low maintenance and versatility of Tarkett's resilient sports flooring.</p>

WITH A LUMAFLEX SYSTEM,
THIS COMMON RENOVATION PROBLEM
ISN'T A PROBLEM AT ALL.
IT'S POTENTIAL.

A NATURALLY SUSTAINABLE SPORTS FLOOR

Meet the high-performance competitive gym flooring solution that provides an unparalleled combination of performance, safety, and comfort. By adding an area-elastic birch plywood sub-system to a point-elastic surface, Lumaflex with LinoSport provides athletes with the best of both worlds. Lumaflex is a Class 4, and Lumaflex Elite is a Class 5 with the LinoSport 2.5 mm flooring system.



BENEFITS

Floor Score® Indoor Air Quality:
LinoSport is a FloorScore® certified product, representing the highest standard of indoor air quality in the industry.

Extreme Abrasion and Soil Resistance:
LinoSport resists soil and abrasion, unlike any other gym floor. A LinoSport floor can sustain the harshest treatment from athletes, even sliding tables and chairs, without damaging the surface.

Reduced Maintenance:
Thanks to Tarkett's unique XF™ Finish, LinoSport drastically reduces maintenance costs and the consumption of water, detergent, and energy.

Comprehensive Warranty Protection:
LinoSport is backed by a 10-year warranty that offers the highest level of protection in the industry.

Bacteria Resistance:
The natural properties of LinoSport linoleum flooring inhibit and resist the spread of bacteria, improving hygienic conditions for athletes.

LEED Credit Qualifications:
LinoSport can contribute credits to facilities seeking LEED certification.

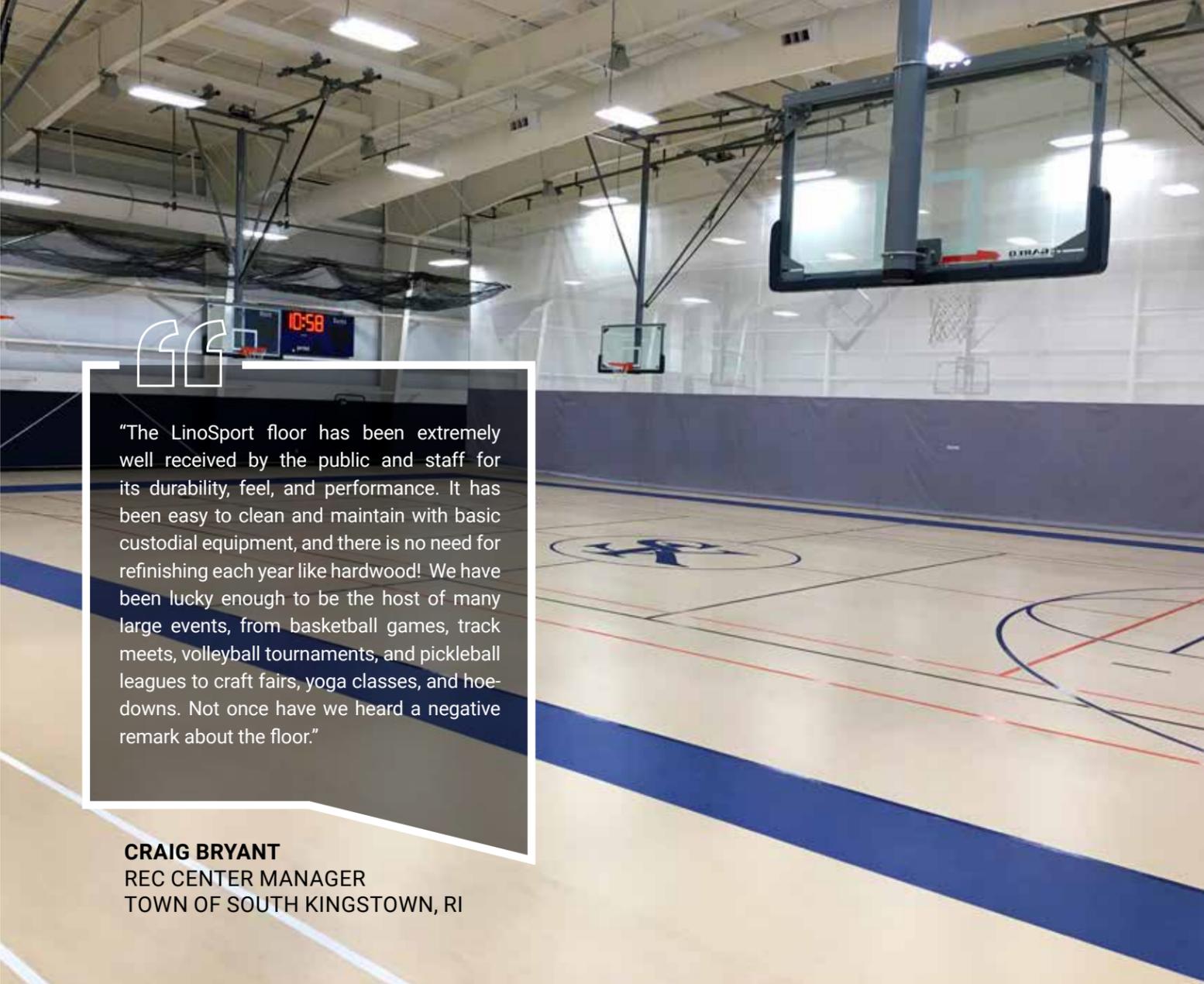
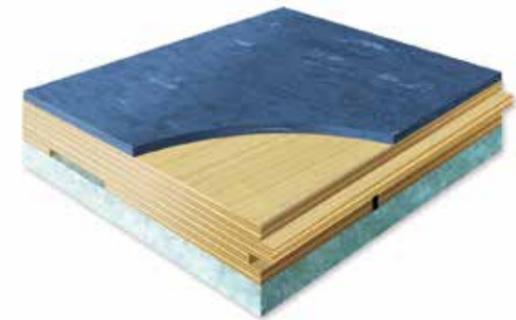
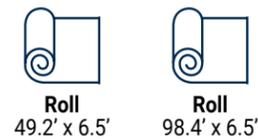
Natural Beauty:
The unique color selection and natural patterns of LinoSport linoleum can make your gym stand out among the rest, giving your facility aesthetic value in addition to playability.

APPLICATIONS

School gymnasiums, colleges & universities, wood floor renovation, fitness-aerobic, fitness-cardio, worship facilities, roller sports, multipurpose



FORMAT



“The LinoSport floor has been extremely well received by the public and staff for its durability, feel, and performance. It has been easy to clean and maintain with basic custodial equipment, and there is no need for refinishing each year like hardwood! We have been lucky enough to be the host of many large events, from basketball games, track meets, volleyball tournaments, and pickleball leagues to craft fairs, yoga classes, and hoe-downs. Not once have we heard a negative remark about the floor.”

CRAIG BRYANT
REC CENTER MANAGER
TOWN OF SOUTH KINGSTOWN, RI





MADE ENTIRELY OF NATURAL MATERIALS

Natural, versatile, and sustainable, LinoSport combines over 120 years of tradition, craftsmanship, and innovation and offers a fresh approach to the flooring needs of today and lifestyles of tomorrow. Made entirely of natural raw materials, all abundant or rapidly renewable resources: Linseed oil, pine rosin, limestone, wood, cork flour, and jute

Tarkett has been manufacturing linoleum since 1898 in our factory in Narni, Italy. The plant is 100% green with photovoltaic panels, a biomass boiler, its own geothermal heating system, and uses renewable electricity. Tarkett is currently saving 80 million liters of water annually at Narni by recirculating what it uses.

HEALTH & THE ENVIRONMENT

LinoSport embodies four categories of sustainability, providing not only superior performance, but stewardship of the environment and care for individual health.



GOOD MATERIALS

- 100% natural
- No REACH restricted materials
- No California Prop. 65 chemicals
- No formaldehyde



RESOURCE STEWARDSHIP

- Quality management systems certified to ISO 9001-2015
- Certified Cradle-toCradle Silver product
- Energy management systems certified to ISO 50001-2018



PEOPLE-FRIENDLY SPACES

- Low TVOC emissions: < 10 µg/m3
- FloorScore® certified
- Natural bactericidal properties
- Reduced maintenance
- Requires no harsh chemicals



REUSE AND RECYCLE

- 100% recyclable*
- 30% recycled content on average
- 10% reprocessed linoleum

*Recycling facilities may not exist in your area. Transportation of the material may be required. Approximate percentage.





THE TARKETT SPORTS FAMILY - LEADERS IN SPORTS SURFACING



SCAN ME

888-364-6541

tarkettsportsindoor.com

