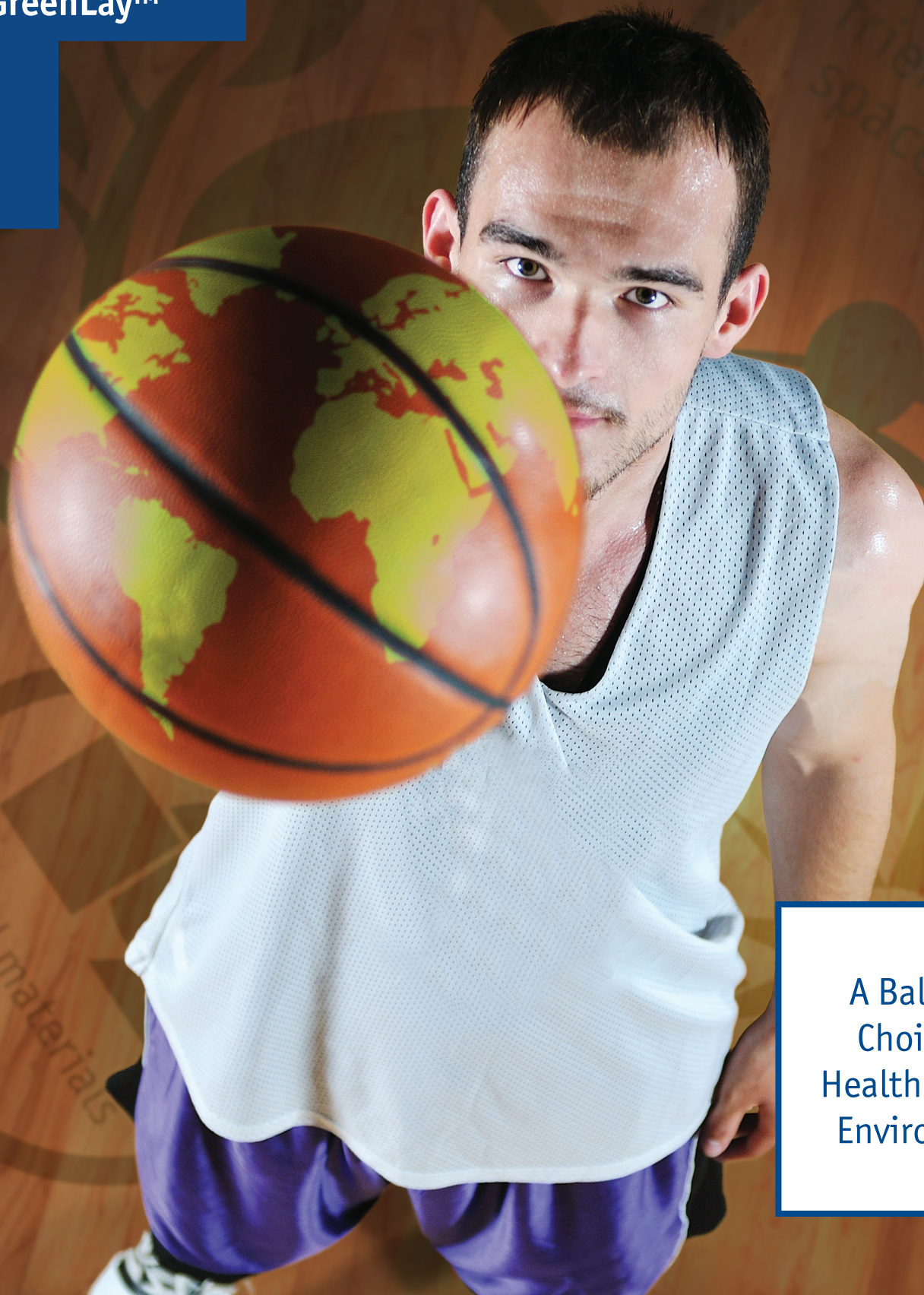


Omnisports
GreenLay™



A Balanced
Choice for
Health and the
Environment



THE ULTIMATE
SURFACE EXPERIENCE

Sustainability Takes Balance.

True environmental responsibility means considering *all* the ways a floor can affect the environment and making a balanced choice. Tarkett has become a global leader in sustainability by dividing and addressing environmental impact in four categories: *Good Materials*, *Resource Stewardship*, *People-Friendly Spaces*, and *Reuse and Recycle*. These categories not only guide our efforts to produce sustainable sports surfaces, they offer you a framework to judge the whole story of a floor, from beginning to end, and make your own “balanced choice.”

OMNISPORTS

Omnisports GreenLay™ is our most popular indoor sports surface. It represents a well-balanced choice for the environment in a variety of ways. The following pages provide a detailed account of the benefits Omnisports GreenLay™ offers in each of the four environmental categories. When considered together, these benefits make it clear that Omnisports GreenLay™ is an exceptional solution for health and environmental concerns compared to other indoor sports surfaces.



Materials Matter

Good materials matter because they are the foundation of a healthy and sustainable floor. Omnisports incorporates natural materials, contains no heavy metals, and is free of chemicals restricted by the REACH Program and California Proposition 65.

Progress Begins with Manufacturing

Sustainable manufacturing is pivotal to solving our environmental challenges. The Omnisports production site is an ISO 14001 certified facility that is advancing resource conservation. Behind every Omnisports floor is an unparalleled commitment to responsible manufacturing.



The Impact of Indoor Air Quality

On average, we spend 93% of our time indoors. For that reason, indoor air quality can have a dramatic impact on our well-being. Omnisports has one of the lowest volatile organic compound (VOC) emission rates of any resilient sports floor. It is also certified **asthma & allergy friendly™** by the Asthma and Allergy Foundation of America and FloorScore® certified.

Planning for the Future Starts Now

Sustainable flooring means beginning with the end in mind. When installed with the 98% adhesive-free GreenLay™ system, Omnisports reduces landfill waste and virtually eliminates adhesive contamination, making it 100% recyclable. It is also easier to remove at the end of its life.



Materials Matter

Just as every building needs a good foundation, sustainable flooring begins with good raw materials. Material content determines the characteristics of a floor more than any other element. It influences important factors such as VOC emissions, recyclability, toxicity, and life-cycle costs. For Tarkett Sports, selecting good raw materials is the pivotal first step in flooring production. It can also be an important first step in selecting a sports floor for your facility. As a conscientious consumer, paying close attention to material content can be helpful in evaluating environmental impact. Every flooring manufacturer should emphasize good materials, but unfortunately some sacrifice quality to cut costs. Still others resell flooring without any knowledge of its material content or how it impacts the environment. With Omnisports, Tarkett maintains complete control over the manufacturing process. You can be confident in our use of good materials for health and the environment.

REACH Methodology for Regulating Harmful Chemicals

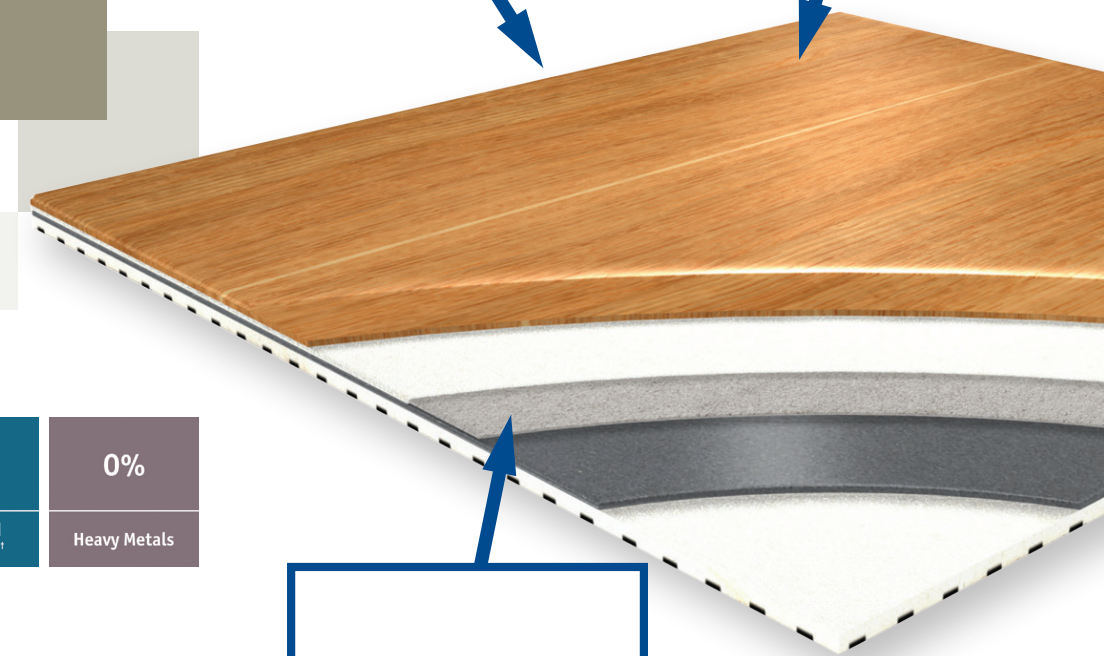


Good Materials with Omnisports

- Contains significant natural materials
- No REACH restricted chemicals
- No California Prop. 65 restricted chemicals
- No Formaldehyde
- Free of lead, cadmium, and mercury

Free of Lead, Cadmium, and Mercury

No REACH or California Prop. 65 Restricted Chemicals



Omnisports 6.5 mm

43.5%	100% 19%	0%	0%
Natural Materials	Recyclable* Recycled Content	Restricted Chemicals†	Heavy Metals

Omnisports 8.3 mm

40.2%	100% 24%	0%	0%
Natural Materials	Recyclable* Recycled Content	Restricted Chemicals†	Heavy Metals

Free of Formaldehyde

Regulations as Decision-Making Guides

Choosing good materials is not just about what is included; it is also about what is excluded. There are two regulations that can help you exclude harmful material content from your sports flooring decisions: the European Commission's REACH Program and California Proposition 65. The REACH Program restricts the use of potentially harmful chemicals in consumer products; these chemicals are thought to be unsafe for human health and the environment. REACH requires that any product containing a restricted substance in a concentration greater than 0.1% (by mass) must carry a warning label. It has been enforced among European member states since 2007 and is regarded as the most stringent chemical regulation in the world. California Proposition 65 is a similar standard that requires warning labels for products containing significant amounts of potentially harmful chemicals. Prop. 65 has been enforced in California since 1986. Determining a floor's relation to these standards can provide insight into its material content and confirm whether or not it contains harmful substances.



The Material Advantage of Omnisports

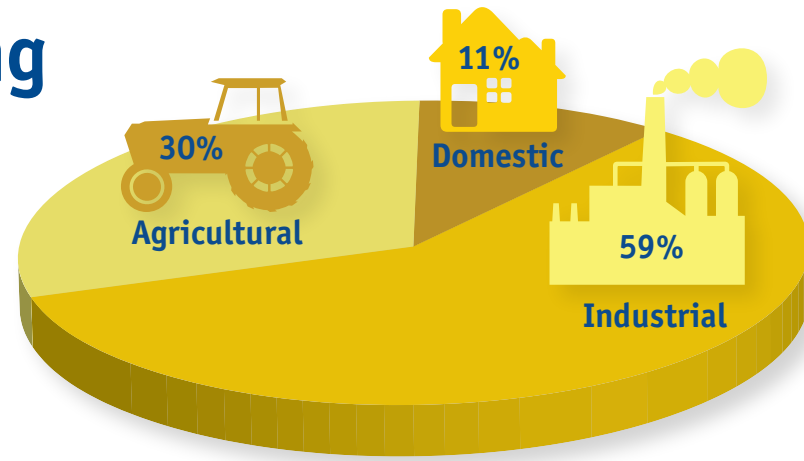
Omnisports exemplifies Tarkett's selective approach to material content. It is composed of 40.2% to 43.5% natural materials (depending on thickness) and contains no lead, cadmium, mercury, or formaldehyde. Omnisports also exceeds REACH and California Proposition 65 regulations by containing no substances that are subject to restriction. Through incorporating good materials and surpassing the strictest regulations, Omnisports provides a healthy space for athletes and minimizes environmental impact.

*Recycling facilities may not exist in your area. Transportation of the material may be required.
†Related to California Prop. 65 and REACH Program

Progress Begins with Manufacturing

It's unavoidable. Progress toward a sustainable future must address the impact of industry. Since manufacturing activities greatly affect the consumption of resources like water and energy, improving industry is arguably the most important factor in improving our environment. As a consumer, you can effect change by supporting manufacturers that demonstrate resource stewardship and environmental progress. As a flooring provider, Tarkett has been consistently ahead of environmental trends for the past 55 years, showing steady improvement in recycling and conservation. Every Tarkett manufacturing facility in North America and Europe is ISO 14001 certified, which represents an obligation to environmental practices that is recognized around the world.

Water Usage in High-Income Countries
2003 United Nations World Water Development Report



The Significance of ISO 14001

ISO 14001 is the most recognized environmental management certification in the world. Developed by the International Organization for Standardization (ISO), it provides a framework for developing systems that reduce the environmental impact of manufacturing. Focusing specifically on production methods, ISO 14001 helps create environmental initiatives by outlining the process of planning, implementation, measurement, and improvement. It also incorporates a continual improvement process, which ensures that resulting procedures are expanded, adjusted, and scaled to their fullest extent. Each certified facility can be subject to an on-site audit to ensure compliance with procedures and continual growth. An ISO 14001 manufacturer has not only made an internationally recognized commitment to foster environmental practices, it also has the framework to generate real change toward sustainable manufacturing. All Tarkett manufacturing facilities in North America and Europe are ISO 14001 certified.



The Commitment Behind Omnisports

Omnisports is produced at the Tarkett manufacturing facility in Sedan, France. The Sedan plant is a certified ISO 14001 facility that has made significant resource conservation advancements. Over the past six years, water consumption at Sedan has been reduced by 63% and VOC emissions to the air have been reduced by 29%; since 2003, there has been a 133% increase in material sent for recycling to the Tarkett recycling center in Lentzweiler, Luxembourg. The Sedan plant is also subject to an environmental audit every two years, ensuring compliance with established procedures and finding ways to improve. In addition to its environmental programs, Sedan is an ISO 9001 certified facility for quality management with systems in place to maintain the highest standards of production. This commitment to quality and sustainability through improving resource stewardship is characteristic of Tarkett manufacturing. It is the guiding principle behind every Omnisports floor.



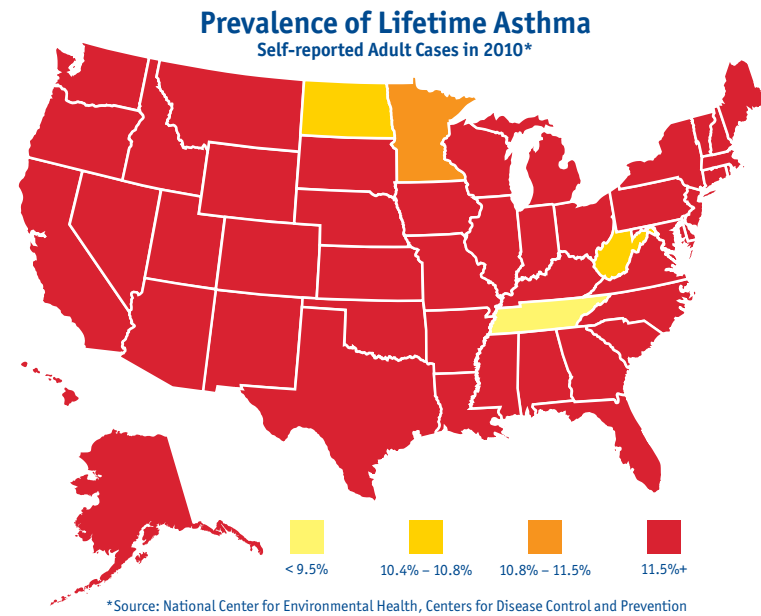
Resource Stewardship with Omnisports

- ISO 14001 certified manufacturing
- 63% reduction in water use over six years
- 29% reduction in VOCs over six years
- 133% increase in recycling since 2003
- A history of conservation and recycling
- Top Clean™ XP tracts reduces maintenance



The Impact of Indoor Air Quality

Indoor air quality (IAQ) is the relative measure of harmful pollutants that can be found in the air of an indoor environment. These pollutants can include anything from secondhand smoke to mold spores. IAQ has two basic contributing factors: the volume of pollutants added by environmental factors and the degree of ventilation available. Poor IAQ can cause short-term health problems such as headaches, fatigue, and dizziness. It can also worsen long-term conditions such as asthma and allergies. Flooring can affect IAQ through the type and amount of VOCs emitted into the air.



Why Indoor Air Quality Matters

Approximately 60 million people in the United States suffer from asthma or allergies, making it more prevalent than diabetes, coronary heart disease, and cancer combined*. Asthma alone is responsible for 10.5 million school absences per year† and allergy cases now affect one in five Americans*. Some causes of this epidemic cannot be controlled, like genetics and outdoor conditions, but IAQ is one factor that can. It can have a dramatic impact, too. Since we spend around 93% of our time indoors, good IAQ is the most effective environmental remedy for asthma and allergy sufferers. On the other hand, poor IAQ not only exacerbates asthma and allergies, it can also cause headaches and dizziness among facility users‡. That is why good indoor air quality is key to improving the health and well-being of millions of people.

*Source: Asthma and Allergy Foundation of America. www.aafa.org/display.cfm?id=8&sub=42.

†Source: Environmental Protection Agency. www.epa.gov/asthma/school-based.html.

‡Source: Resilient Floor Covering Institute. www.rfci.com/index.php?option=com_content&view=article&id=80&Itemid=79.



How Omnisports GreenLay™ Can Help

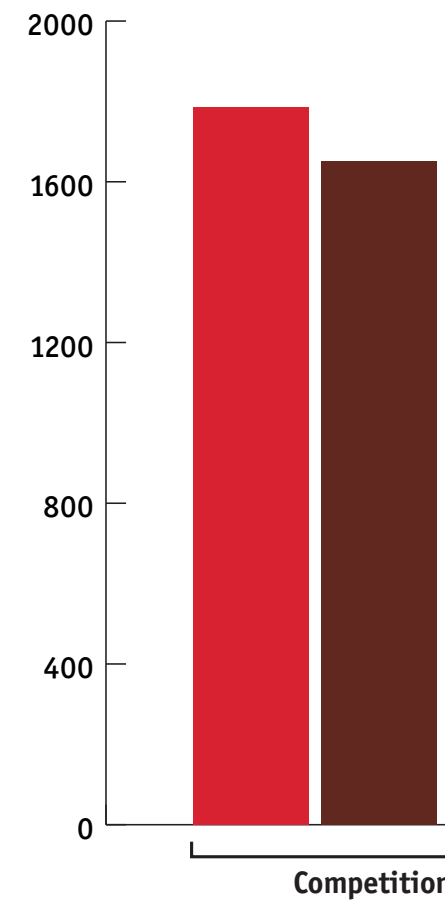
Good IAQ begins with flooring. A floor with low VOC emissions and low allergen retention can reduce overall airborne pollutants.

Omnisports is FloorScore® certified and it is the first sports floor to be certified **asthma & allergy friendly™** by the Asthma and Allergy Foundation of America. It has some of the lowest TVOC emissions of any resilient sports floor, with less than 100 micrograms per cubic meter*. In comparison, some sports floors currently on the market emit over 1,700 micrograms per cubic meter*. When installed using the GreenLay™ system, VOC emissions can be reduced even further. Since GreenLay™ is 98% adhesive free, emissions from adhesive are nearly eliminated. Omnisports is also very resistant to mold, showing no growth in ASTM G21 tests. In short, Omnisports is more suitable for asthma and allergy sufferers and contributes to better IAQ.

*Source: Tarkett Internal Testing Laboratory



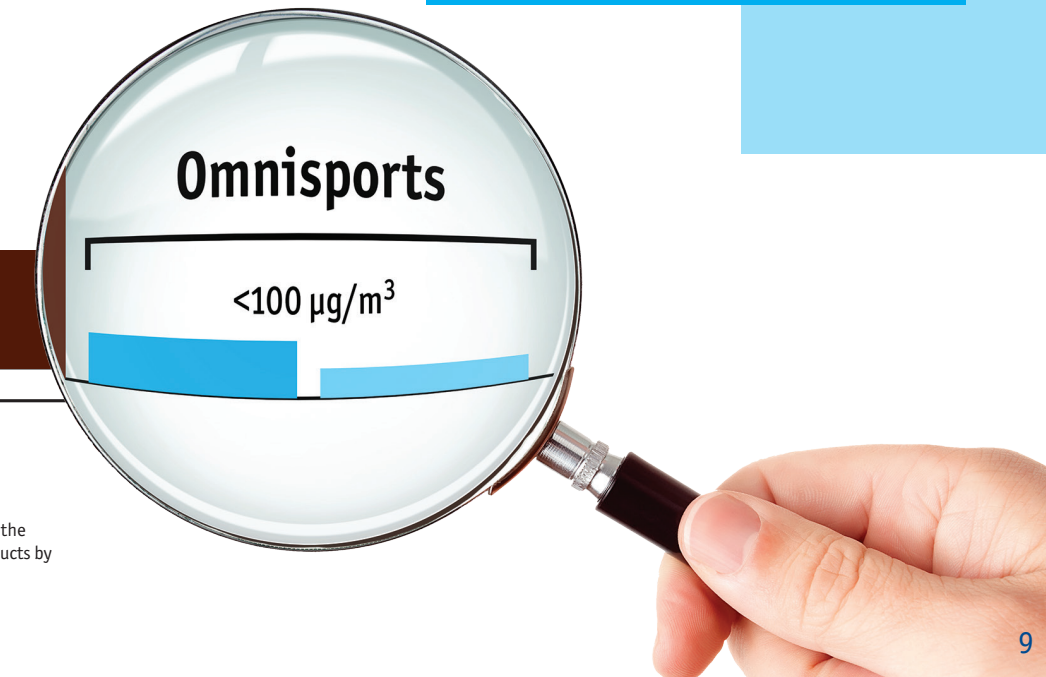
TVOC Emissions†



†This graph is intended for illustration purposes only. However, the values depicted represent actual TVOC testing of competing products by the Tarkett internal laboratory.

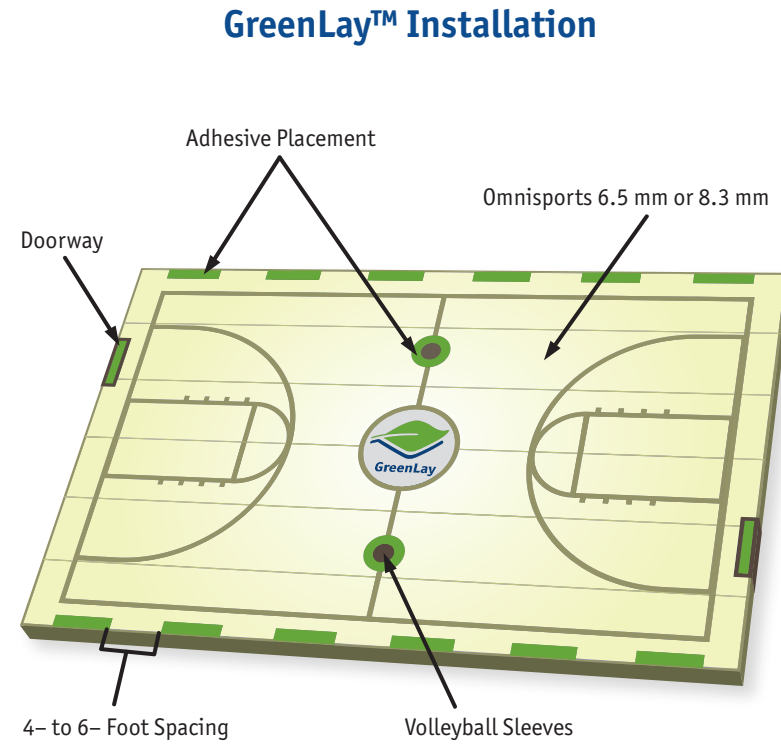
People-Friendly Spaces with Omnisports

- Low TVOC emissions: <100 µg/m³
- FloorScore® certified
- Certified **asthma & allergy friendly™**
- Will not proliferate mold or bacteria
- Requires no harsh chemicals to maintain
- Top Clean™ XP treatment reduces maintenance



Planning for the Future Starts Now

A new indoor sports surface should last for at least two or three decades under normal conditions. So, it might seem odd to consider planning the end of its life now, but starting with the end in mind can make a huge difference for the environment. Not all sports floors are created equal when it comes to recycling; some contain materials that recycling centers reject. Installation can also have an effect. Some methods can make recycling difficult, if not impossible, by contaminating the floor with adhesive. Taking recycling into consideration before purchasing is the best way to guarantee that your floor stays out of overburdened landfills. Omnisports facilitates recycling like no other sports floor, especially when installed with the GreenLay™ system.





Reuse and Recycle with Omnisports

- 100% recyclable*
- Contains pre-consumer recycled content
- 98% adhesive-free installation with GreenLay™
- Virtually no adhesive contamination
- Easier floor removal with GreenLay™
- Less landfill waste with GreenLay™

Omnisports GreenLay™ Improves Recycling

Omnisports GreenLay™ overcomes the biggest obstacles to recycling and reduces waste in the process. Full adhesive installations can contaminate the flooring, causing it to be rejected by recycling centers and ultimately sent to a landfill. On the other hand, Omnisports GreenLay™ limits adhesive to only 2% of the surface area, minimizing contamination and making removal easier. Omnisports is also manufactured with good raw materials that any recycling center will accept. Even the GreenLay™ installation process diverts waste from the landfill. For example, an 8,000-square-foot gymnasium requires as much as 64 gallons of adhesive, but a GreenLay™ installation uses less than 1 gallon. The result is the same quality Omnisports surface with less waste.

Adhesive Waste with Full Adhesive Installation



Adhesive Waste with GreenLay™ Installation



Innovative Installation for Recycling

Tarkett Sports' GreenLay™ installation system is a ground-breaking innovation in diverting waste from landfills through conservation and recycling. Exclusive to Omnisports 6.5 mm and 8.3 mm, GreenLay™ is a 98% adhesive free installation with only small amounts of adhesive at the perimeter of the court, doorways, and volleyball sleeves. The dimensional stability and virtually tension-free manufacturing of Omnisports make it the only resilient sports floor that can be installed this way. When installed according to our guidelines, Omnisports GreenLay™ has an incredible record. Since Tarkett Sports introduced GreenLay™ in 1995, there have been **zero** failed installations with over 8 million square feet installed worldwide.



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

Now the Ball is in Your Court.

When it comes to the environment, we all have to make a choice. With Omnisports GreenLay™, Tarkett Sports chose to use the best-quality materials, protect resources through conservation, preserve indoor air quality, and provide for end-of-life management. As a whole, it is an exceptional flooring solution for health and the environment. Now the choice is up to you. Use the checklist on the next page to compare Omnisports GreenLay™ with other sports floors and make your own *balanced choice* based on your concerns and priorities. You will find brief explanations of each point of comparison in the following pages. For additional information about Omnisports and other Tarkett Sports flooring, visit tarkettsportsindoor.com and contact a representative.



Balanced Choice Environmental Checklist

		Omnisports 6.5 mm GreenLay™	Omnisports 8.3 mm GreenLay™	Product #1	Product #2	Comparison Notes
Good Materials	No REACH Restricted Chemicals	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	No California Prop. 65 Restrictions	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Free of Lead, Mercury, and Cadmium	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Contains No Formaldehyde	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Natural Material Content	43.5%	40.2%			
Resource Stewardship	ISO 14001 Manufacturing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Polyurethane Surface Treatment	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Adhesive Use	2% of Surface Area	2% of Surface Area			
People-Friendly Spaces	asthma & allergy friendly™ Certified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	FloorScore® Certified	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	TVOCs	<100 µg/m ³	<100 µg/m ³			
	Force Reduction (ASTM F2772)	Category 2	Category 3			
	Ball Rebound (ASTM F2772)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Surface Finish Effect (ASTM F2772)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Vertical Deformation (ASTM F2772)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
Reuse and Recycle	100% Recyclable	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	Adhesive Contaminated Material	2%	2%			
	Recycled Content	19% (Pre-Consumer)	24% (Pre-Consumer)			



Glossary of Health and Environmental Factors



100% Recyclable

The ability to be recycled is an important consideration for a floor's end-of-life management. Vinyl resilient flooring is actually more recyclable than other flooring types, depending on the quality of materials used in production. For details on local recycling centers, visit vinylinfo.org.

Adhesive Contaminated Material

Flooring that is glued to the subfloor can be contaminated by the adhesive. This is significant for recycling because adhesive contamination can cause a recycling center to reject the material, meaning that it will most likely end up in a landfill instead. Minimizing adhesive contamination is crucial to ensuring a floor will actually be recycled at the end of its life.

Adhesive Use

Adhesive use has a direct impact on the amount of resources consumed in the installation process. More adhesive means more carbon emissions through production and transportation, as well as more waste after installation. Floors that use less adhesive minimize these negative environmental effects and consume fewer resources.

Asthma & allergy friendly™

Asthma & allergy friendly™ is a certification from the Asthma and Allergy Foundation of America that signify products that contribute to good indoor air quality through exceptionally low VOC emissions and low retention of allergens. Certified **asthma & allergy friendly™** floors are preferred for reducing the symptoms of asthma and allergies. For more information, visit aafa.org.

Ball Rebound (ASTM F2772)

Ball rebound (also called "ball bounce") is a mechanical property that determines a surface's suitability for basketball. The ASTM F2772 standard confirms the proper amount of bounce (>90%) and a degree of uniformity across the surface. A floor that passes this test is mechanically suitable for basketball in relation to its interaction with the ball.

California Proposition 65

California Prop. 65 is a regulation that restricts the use of harmful chemicals, specifically those that cause cancer, birth defects, or reproductive harm. It requires warning labels on products containing specific levels of chemicals that are deemed significant. Flooring with no California Prop. 65 restrictions should be considered a safer choice for human health. Visit oehha.ca.gov for more details.

FloorScore®

FloorScore® certification was developed by the Resilient Floor Covering Institute (RFCI) and SCS Global Services to distinguish flooring with low volatile organic compound (VOC) emissions. FloorScore® certified floors must limit emissions VOCs to levels specified in the California Section 01350 standard and pass regular auditing to ensure consistency. For more information, visit rfci.com.

Force Reduction (ASTM F2772)

Force reduction (also called "shock absorption") refers to a floor's ability to reduce impact force. It is predominantly related to the impact generated by lower extremities and has a direct effect on the comfort and safety of the athlete. ASTM F2772 recognizes five categories of force reduction, with one being the lowest and five being the highest. Higher categories reflect a higher degree of force reduction.

Formaldehyde

Formaldehyde is a chemical that was once used to produce certain building materials. Excessive formaldehyde emissions can cause nausea, watery eyes, and burning in the throat, among other health problems. Although it has never been a prevalent component of resilient flooring, it is worth confirming that a floor does not contain formaldehyde, since it can have negative effects on health.

ISO 14001 Manufacturing

ISO 14001 is an internationally recognized certification that provides a framework for developing systems to reduce environmental impact in manufacturing. It indicates that a manufacturer has made a public commitment to environmental responsibility and has an environmental management system in place to drive progress. ISO 14001 manufacturing is a way of identifying floors that were produced in a responsible way, including resource conservation.

Lead, Mercury, and Cadmium

Excessive exposure to heavy metals such as lead, mercury, and cadmium can cause a variety of health problems. Minimizing contact with these materials is an important safety precaution. Flooring should contain no more than trace amounts of heavy metals, meaning no more than occurs in a natural outdoor environment.

Natural Materials

If manufactured properly, all resilient floors should contain a significant percentage of natural raw materials. Natural materials often consist of stabilizers, pigments, and mineral fillers such as calcium carbonate.

Polyurethane Surface Treatment

Polyurethane surface treatments like Tarkett Sports' Top Clean™ XP treatment can significantly reduce the amount of maintenance required for a resilient sports surface. Flooring with polyurethane treatments consume less water and energy than those without surface treatments.

REACH Restricted Chemicals

REACH is a European Commission program that restricts the use of harmful chemicals to protect human health and the environment. Products containing a restricted chemical in a concentration greater than 0.1% are required to carry a warning label. A floor with no REACH restricted chemicals exhibits an "above and beyond" commitment to safe and responsible materials. For more information on REACH, visit ec.europa.eu.

Recycled Content

Incorporating recycled content "closes the loop" on the recycling process by reusing materials to create new flooring. A floor's percentage of recycled content represents valuable resources that were diverted from landfills and put back into use.

Surface Finish Effect (ASTM F2772)

Surface finish effect describes a surface's response to a sliding foot, typically under dry conditions. With indoor athletic activities, it is important to note that the optimal degree of friction varies. However, a floor that passes the ASTM F2772 standard for surface finish effect is within the acceptable range for most sports and physical activities.

TVOCs

TVOCs represent the total volatile organic compounds emitted by a floor for a specified time period. They are measured in micrograms per cubic meter. Floors with lower TVOC rates generally contribute to better indoor air quality.

Vertical Deformation (ASTM F2772)

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. Passing the ASTM F2772 standard for vertical deformation indicates that a floor has an acceptable value for sports activities.



Tarkett Sports is a division of the Tarkett Group, which was established in 1886. The Tarkett Group has now reached over \$2.5 billion in annual sales and is a global leader in commercial, residential, and sports flooring. Tarkett Sports surfacing solutions include hardwood and synthetic basketball courts, volleyball courts, multipurpose gymnasium floors, weight room flooring, running tracks, and its world-renowned FieldTurf artificial turf.



For more information on Omnisports GreenLay™, including technical data and specifications, visit tarkettsportsindoor.com/omnisports

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