

SofTILE DuraSAFE
TECHNICAL SPECIFICATIONS

Table with 5 columns: Thickness, Weight (lbs.) Ea. (Not less than...), Critical Fall Height (ft.) (Performance Warranty), Plus, Premium. Rows show specifications for thicknesses from 2.00" to 5.25".

Table with 5 columns: Test Description, ASTM Ref., Results (Plus, Premium), Test Lab, Test Date. Rows include tests like Impact Attenuation, Freeze Thaw, Rubber Deterioration, etc.

SofTILE DuraSAFE is installed to a compressed dimension of 24" X 24".

Additional SofSURFACES Products:



SofTILE AP
Architectural Paver

SofTILE AP™ goes beyond function by creating a truly authentic look and feel to rooftops, terraces, and outdoor spaces. While offering unlimited design potential, SofTILE AP™ also provides thermal and mechanical protection to the roof membrane.



DuraFLEX
PREMIUM FITNESS FLOORING

SofSURFACES has combined the best features from our existing resilient flooring lines into a product that is as durable & functional as it is visually appealing. Unmatched noise and shock absorption, interlocking KrosLOCK installation, interchangeable modular design and virtually limitless color options set DuraFLEX™ apart from all other fitness flooring systems.



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P.O. Box 239,
Petrolia, ON N0N 1R0

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519-882-8799
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E: info@sofsurfaces.com
W: www.sofsurfaces.com

Represented By:

Please Note: Due to many contributing factors, we cannot guarantee that the tile colors displayed in this booklet will exactly match the color of the delivered product. We have gone to great lengths to portray colors as accurately as possible. If a precise color match is important to you, please request free samples prior to ordering.

Associates & Affiliates:

Logos for GSA Advantage!, CADdetails, HGACBuy, ARCAT, designguide.com, National Recreation and Park Association, and NJPA Awarded Contract.

Contract # 081910-MUI



SofSURFACES Inc.

SofTILE
KrosLOCK
DURASAFE SERIES

INTRODUCING THE INDUSTRY'S FIRST AND ONLY
10 YEAR
WARRANTY
Materials & Workmanship
INCLUDING
Impact Attenuation
to ASTM F1292

INTERNATIONAL PLAY EQUIPMENT
PUBLIC PLAY SURFACING
IPEMA
CERTIFIED
to ASTM
F1292
MANUFACTURERS ASSOCIATION

To verify product certification, visit www.ipema.org

Designed by: FORMOSA GRAPHICS, Sarnia, ON



It's no secret that kids have vast imaginations matched only by their relentless pursuit of adventure. To see this up close, just take a trip to the nearest neighborhood playground where a well-designed guardrail is magically transformed into a high-wire act, or a slide becomes a giant wave to be surfed. In spite of our best intentions, playground equipment is often used in a manner inconsistent with its original design intent and the very nature of children's play makes falls to the surface inevitable.

Since 1992, SofSURFACES has been a pioneering voice within the playground safety arena, advocating for safer and higher performing surfacing systems. Ours is a company built on firsts.

In 1998, we revolutionized the industry by introducing the first warranty that included continual compliance with safety standards.

In 2007, we increased this warranty to 10 years, another first and another important step in bringing about change within the safety surfacing industry.

Also in 2007, we became the first and only company to voluntarily increase our

internal benchmarks for safety compliance ensuring that our surfaces performed a minimum of 25% better than regulatory requirements.

The introduction of our DuraSAFE product marks our latest and boldest efforts to set the standard for playground safety performance. SofTILE DuraSAFE has been engineered to comply with the safety ratings mandated for vehicle impact safety by The National Highway Traffic Safety Administration; performance that exceeds current playground regulations by nearly 50%. Our decision to become the first company to engineer a product to comply with this stringent benchmark was based on the simple premise that every child deserves to be as safe on the playground as they are in a vehicle.

In the following pages, we will guide you through the various steps involved in evaluating a playground safety surfacing system. **Durability, Consistency, Value and Safety** are among the topics we will explore. Along the way we hope to offer some insight into the principles that have transformed SofSURFACES into the world's leading manufacturer of playground safety surfacing systems.

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**A Company
Built on Firsts**

What is the SofTILE DuraSAFE System?

The pinnacle in playground surfacing, DuraSAFE is an exceptionally durable system that locks in place, is vandal resistant, Class 'A' fire-rated and maintenance-free. More importantly, DuraSAFE offers safety performance that exceeds regulations by nearly 50%. Key features, such as the unique interlocking design and hollow-core impact pedestal, have produced outstanding functional elements, including durability, vandal-resistance and unmatched safety performance. The SofTILE DuraSAFE Series has been designed specifically to eliminate maintenance costs, premature wear, and non-compliance with safety standards, while providing a truly ADA compliant surface.

What Can SofTILE DuraSAFE Offer You?

Engineered Impact Pedestal Design

SofTILE DuraSAFE utilizes a hollow-core impact pedestal design that has been engineered to reduce the impact force associated with a fall. SofTILE DuraSAFE's impact pedestals act like a series of 64 interdependant shock absorbers on the underside of the tile system. Comparative testing between SofTILE DuraSAFE and competing products consistently demonstrates the vastly superior safety performance of the SofTILE DuraSAFE design.

A Wide Range of Accessories

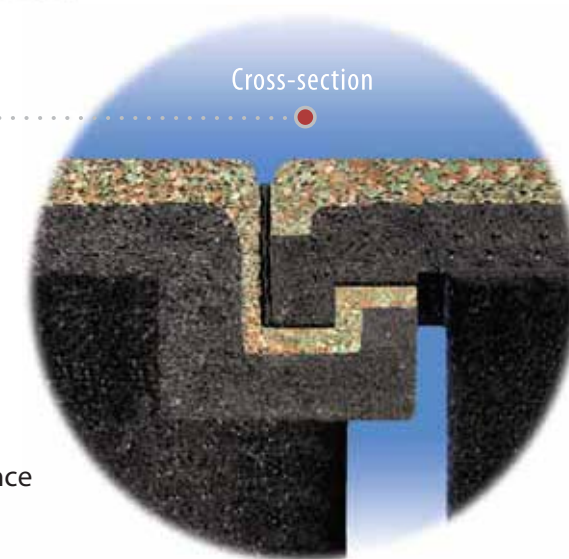
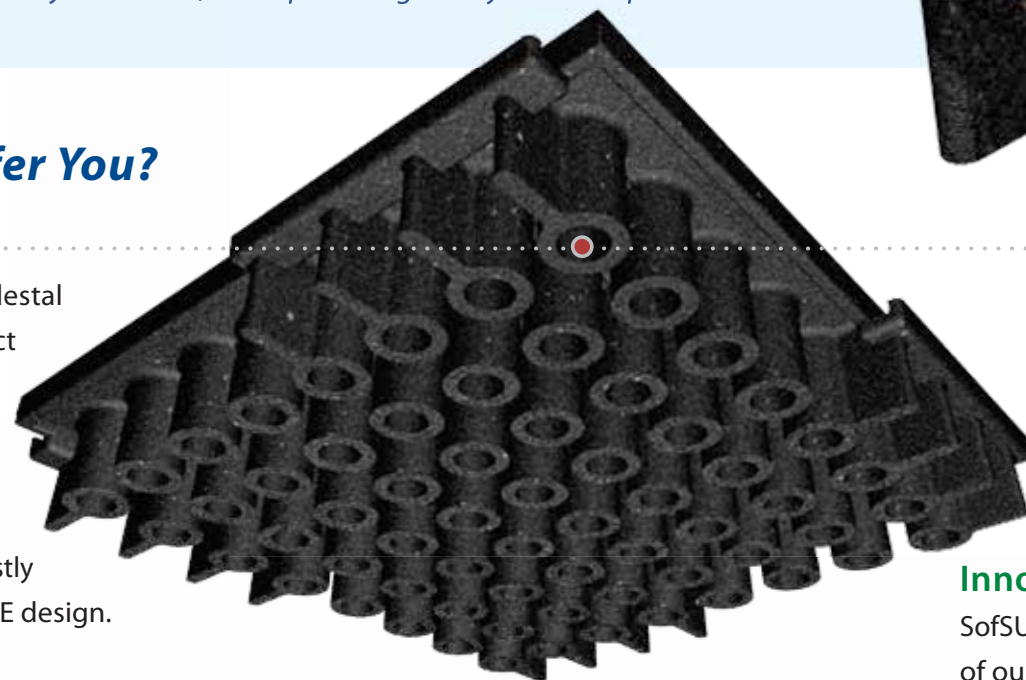
Architectural excellence and a professional installation are easy to achieve with matching accessories including; profiled edging, inside and outside corner pieces and ADA compliant transitions. All of our accessories are designed to work together seamlessly in form, fit and function. Whether your installation is over concrete or aggregate, retained or open, our line of accessories provides everything you need to create a beautiful finished space.

Innovative Locking Design

SofSURFACES' unique locking systems have been the corner stone of our product line for nearly 20 years. Our KrosLOCK design represents the pinnacle in locking design technology, ensuring that when properly installed, the system will remain tight, secure and vandal-resistant through years of heavy use.

Superior Safety Values

SofTILE DuraSAFE has been engineered to provide safety performance at approximately half the allowable limit.



Outside Corner



SofRAMP Jr.



SofRAMP ADA



Inside Corner



T-Strip

Safety First

Did You Know?

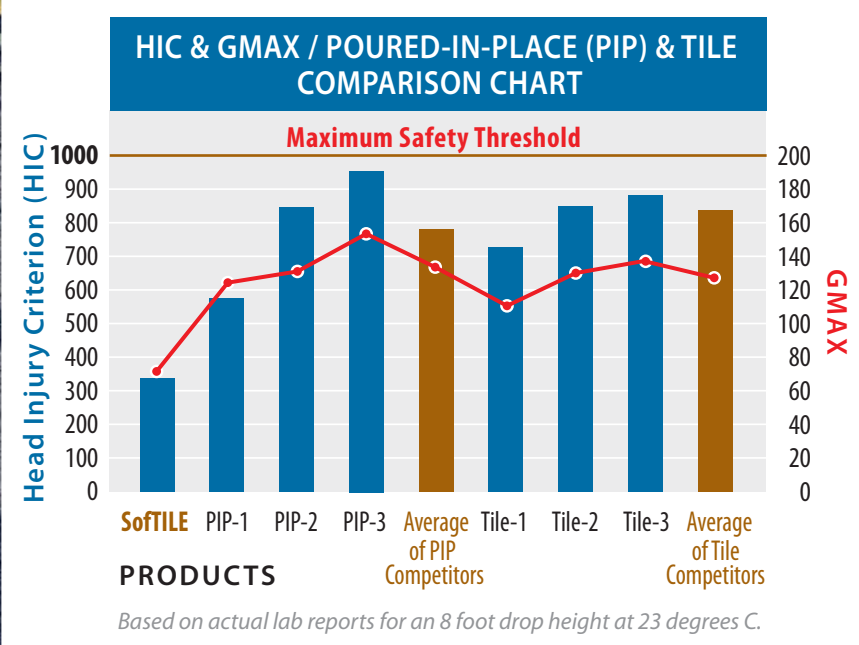
- Each year over 200,000 children are sent to the emergency room for playground related injuries
- Nearly 80% of these injuries are directly related to falls to the surface
- Current safety standards are designed to prevent only the most serious brain trauma to the exclusion of all other injuries
- Even compliant surfaces demonstrate up to an 85% risk of “moderate” injury, including skull trauma, facial fractures, and loss of consciousness
- Unfortunately, research has demonstrated that up to 69% of synthetic playground surfaces studied were not compliant with basic safety standards

Fall Height Assurance

Many surfacing options provide safety performance that approaches the maximum allowable thresholds at the time of installation. Since the performance of playground surfacing deteriorates over time, surfaces that are initially underperforming often result in non-compliance issues after a few short years of use. Relying solely on a manufacturer’s laboratory test results can often leave playground owners and caretakers with a false sense of security.

The DuraSAFE Difference

SofSURFACES has partnered with our local representatives to become the only company to offer free safety performance testing of your installed surface. We are proud of our products’ performance and we believe that you deserve to know exactly how your surface is performing before you pay for it.

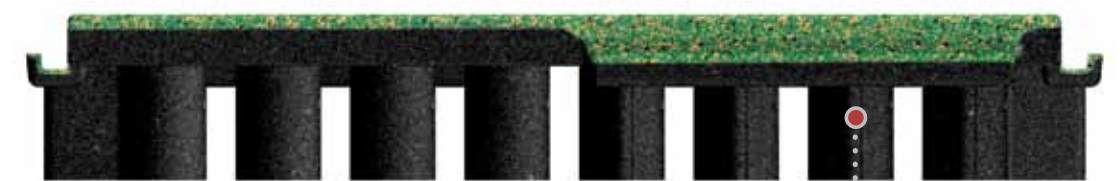


Excellence in Reliability & Consistency

After manufacturing, every SofTILE undergoes a strict quality control review by way of computerized quality assurance systems. Each tile is weighed, the temperature recorded, and the thickness and dimensions measured.

In addition, each of the 64 hollow-core impact pedestals are individually tested for performance and structural integrity through a sophisticated series of load cells and compression movements. Upon successful inspection, each tile is assigned a serial number for future tracking.

64 Hollow-Core Impact Pedestals



Peace-of-Mind

Unlike other synthetic surfaces, such as poured-in-place, our state-of-the-art quality control system ensures that every single square foot of your playground surface has been thoroughly performance-tested prior to installation, and thoroughly field-tested after installation.





Precision Manufacturing



Typical Poured-In-Place Installation

SofTILE DuraSAFE is considerably denser when compared to poured-in-place systems. The dense composition serves to improve durability performance, and also prevents the migration of sand and other contaminants into the body of the surface, thus reducing maintenance and preserving the safety performance of the system.

Surfacing systems, such as poured-in-place, are manufactured on location resulting in many variables that can affect long-term durability and safety performance.

When you purchase a SofTILE DuraSAFE surface, you are purchasing a system that was manufactured under the strictest of process controls. Raw materials are precisely weighed, temperatures and humidity are computer controlled, and all mixing, leveling, and molding are completed robotically so that each and every SofTILE is produced under ideal conditions and in an identical sequence.

Our manufacturing process is centered around the core principals of **Design, Reliability, and Dependability** ensuring that SofTILE DuraSAFE will look and perform as well tomorrow as it does today.



Dense SofTILE DuraSAFE



Porous Poured-In-Place

Design

SofSURFACES has designed a proprietary molding process unlike any other system in the world. This unique process allows SofTILE's top wearing course to be compression molded to a significantly higher density when compared to competing products.

Reliability

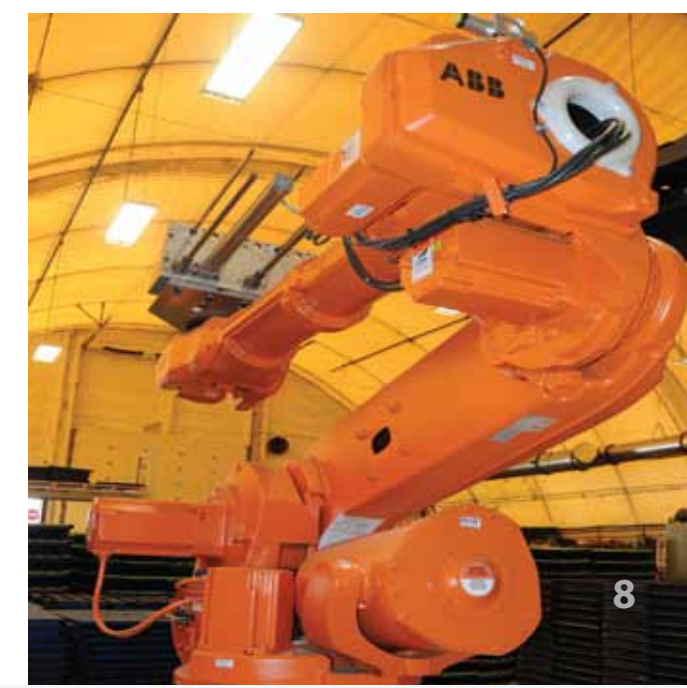
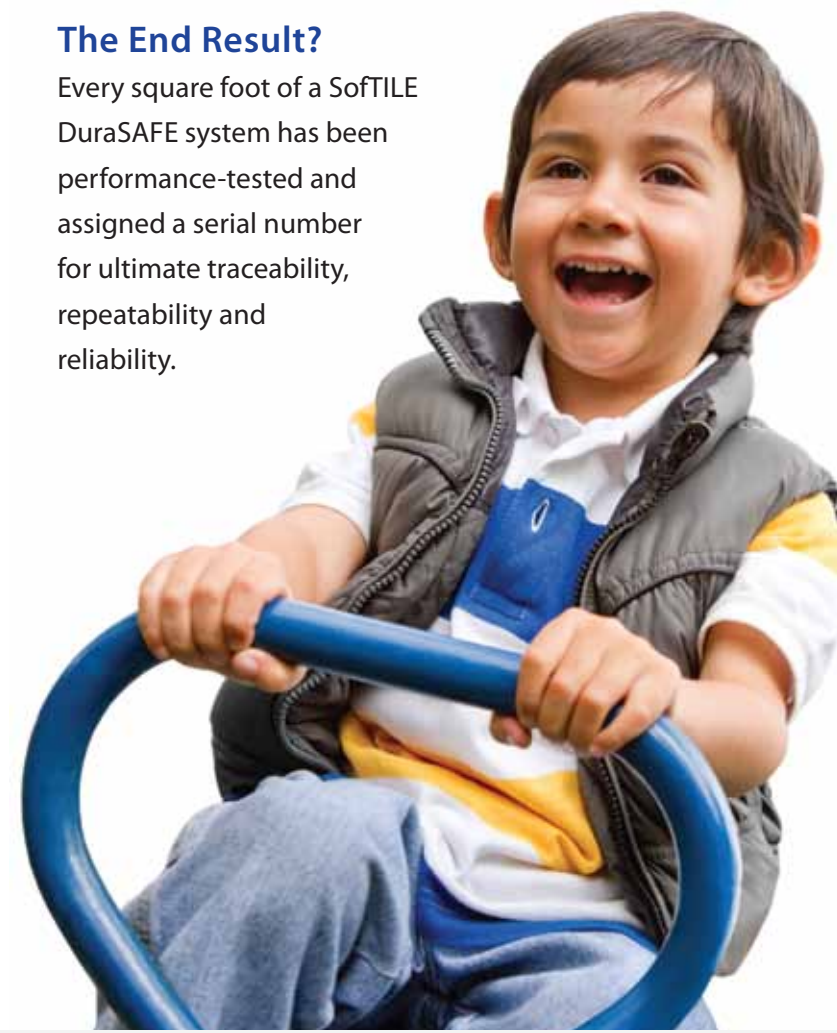
Manufacturing extremely durable surfacing systems is more than just product design. We use only the highest quality materials provided by the premier suppliers in the rubber and polyurethane industries. All materials are certified by our vendors to meet or exceed our stringent specifications, and materials entering our system are catalogued through retained samples for quality control purposes.

Dependability

Utilizing the latest in process analytics, and HMI (Human Machine Interface) technology, every aspect of the manufacturing process is closely monitored and tightly controlled within the framework of ISO 9001:2008.

The End Result?

Every square foot of a SofTILE DuraSAFE system has been performance-tested and assigned a serial number for ultimate traceability, repeatability and reliability.



Sustainability & Energy Stewardship

At SofSURFACES, we are committed to operating our business in a manner that uses resources wisely, and protects the quality of our environment, as well as the health and safety of our families and communities. As an industry leader in recycled products manufacturing, our products are made in state-of-the-art facilities where we strive to continually improve our quality, efficiency, and responsible resource management.

“Just as we cannot blame others for destroying the environment, so we cannot look to others to protect the environment. Responsibility for both begins at home.”

Paul Griss, *The Daily Planet*



1 Million

All of our production scrap is collected and recycled back into the system so nothing goes to waste. Each year this translates into nearly 1 million pounds of diverted industrial scrap.

750,000

This year approximately 750,000 passenger tires will be diverted from North America's landfills to be used in the manufacture of our family of products.

100%

SofTILE DuraSAFE is sustainable in that 100% of the product can be returned to our facility, reprocessed and reintegrated into new products.

93%

SofTILE DuraSAFE contains up to 93% post consumer recycled content with each tile utilizing a minimum of 1.5 passenger tires in its manufacture.

77%

77% of our raw material supplies come from within 180 miles of SofSURFACES manufacturing site, resulting in less fuel burned in transporting materials and less waste from excess inventory.

15/16%

In 2012 SofSURFACES completed the extensive process of engineering a new production system with a strong focus on energy conservation, resulting in a 15% reduction in natural gas and a 16% reduction in electricity consumption.

7%

SofSURFACES has implemented systems to ensure that harmful emissions are not released to the environment. Systematic air monitoring indicates that environmental emissions are less than 7% of allowable limits.

LEED

SofTILE DuraSAFE is compatible with a variety of LEED requirements and can contribute to multiple LEED credits over various rating categories.





High-density wear layer stands up in high traffic areas.

Individual tiles can be easily replaced.

Maintenance

Some say that no playground surface is truly maintenance-free. We disagree.

When evaluating playground surfacing, the long-term maintenance costs associated with various options will vary considerably. While most purchasers recognize the significant maintenance costs associated with loose fill systems, few realize that many synthetic surfaces also require considerable ongoing maintenance for optimal structural and safety performance.

SofTILE DuraSAFE's engineered design, combined with exceptional safety performance, extreme durability, and certified installation, translates into a system that is truly maintenance-free.

The End Result?

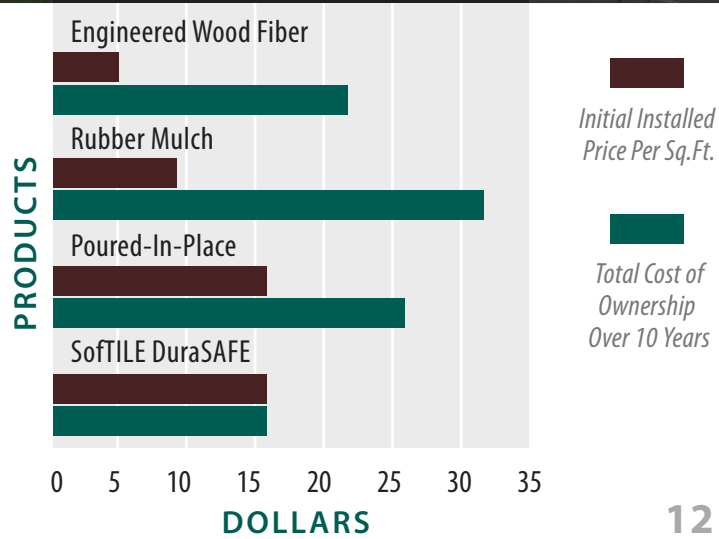
An investment into a SofTILE DuraSAFE system will prove to be the lowest cost surfacing investment when projected over the life of the product.

The Value Equation

Loose fill surfacing can be an attractive option based on lower upfront costs, however significant ongoing maintenance requirements often negate initial savings. Surprisingly, many synthetic surfaces also require periodic maintenance to ensure optimal performance.

For a complete breakdown of the costs of various surfacing options projected over a 10 year time line please visit our website at www.sofsurfaces.com

COST COMPARISON OVER A 10-YEAR LIFE EXPECTANCY





Plus Series

SoftILE DuraSAFE Plus offers the same durability and safety performance as our Premium Series at an economical price.

Our Plus Series does not release harmful VOC's, and is manufactured free of lead, zinc, latex, heavy metals, and phthalates.

The Plus Series is economically manufactured using recycled materials exclusively. Color offerings are created through a specially formulated pigmentation process that encapsulates each recycled rubber granule with a pigmented urethane matrix. By offering value in the ability to create colorful playgrounds at an economical price, the Plus Series is ideally suited for high-use environments where safety, durability, and vandal-resistance are the primary surfacing considerations.

When color and design cohesion is not a primary consideration, budgets are constrained, or simplistic design is the focus, the Plus Series is an ideal choice and a customer favorite.

The addition of an earth tone color palette to our Plus Series provides increased diversity to architectural design considerations. With seven standard colors to choose from, the Plus Series offers the widest color range in its category.



A Wider Range of Standard Colors



Saddle Brown



Slate Grey



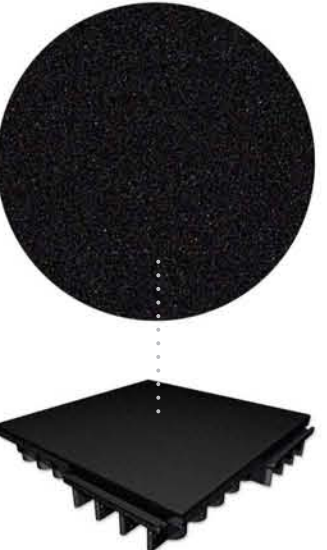
Ocean Blue



Turf Green



Terra Cotta



Midnight Black



Premium Series

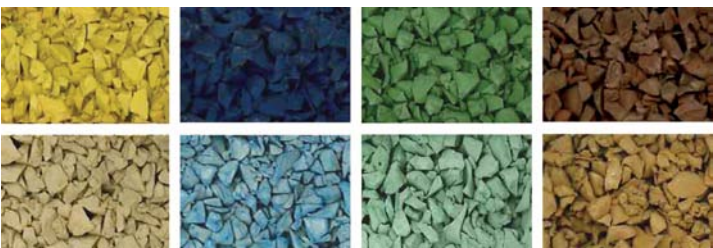
SoftTILE Premium Delivers

Pattern, texture, and color capabilities are the hallmarks of the Premium Series. For those with a creative flare, the Premium Series affords the opportunity for original expression through a plethora of visually attractive design options. SoftTILE Premium offers outstanding durability, appearance, performance, and safety at an exceptional value.

Our Technology Your Creativity

The incorporation of our “In-Play” polymer technology represents the latest evolution in durability and color longevity. In-Play is a colored granule formulated and manufactured as a superior alternative to the traditional EPDM polymers used in the manufacture of playground surfacing. In-Play exhibits excellent abrasion resistance and color retention, and most importantly, In-Play will not become brittle with age.

In-Play Vs. EPDM

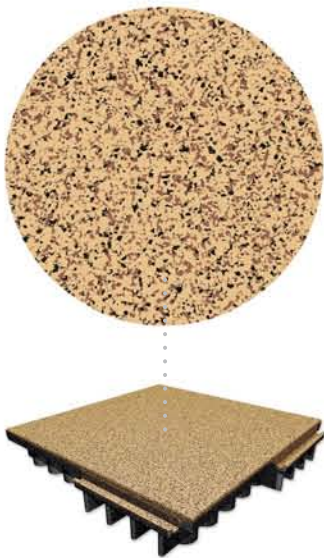


Typical fade patterns seen after three years of UV exposure.
(Based on test method ASTM G90-05 “accelerated outdoor weathering”)

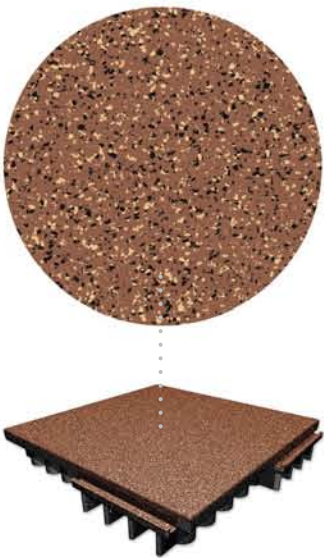
Precise Custom Blends Are Available

If you’re looking to integrate unique colors and patterns into your playground design, you have come to the right place. In fact, custom blending is our specialty. Creating virtual designs is just a mouse click away with our interactive custom color blending tool. Launch our program at www.softsurfaces.com, and let your imagination run wild with one of a kind designs that will set your playground apart.

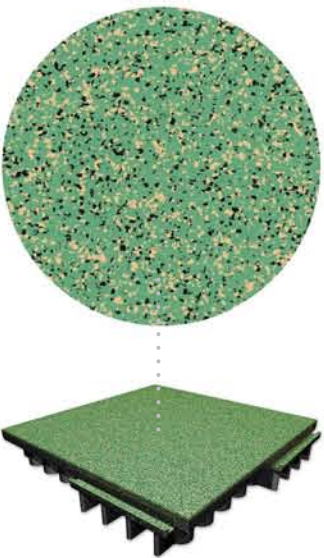
Customer Favourite Premium Colors



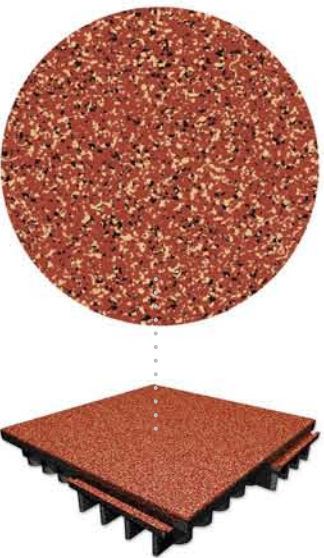
Sandy Lane



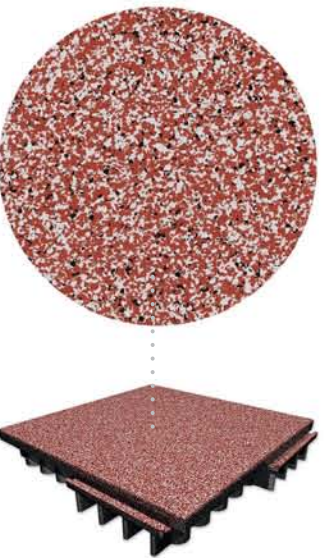
Multi-Grain



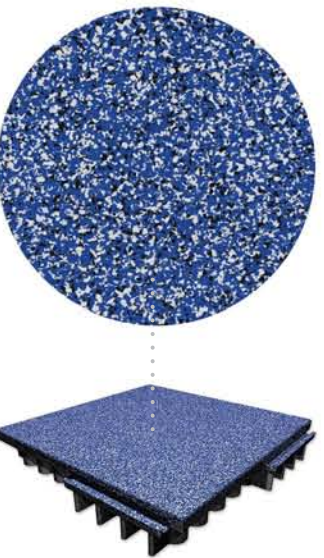
Spring Meadow



Roasted Pepper



Coral Clay



Blue Ice



Blue Sand



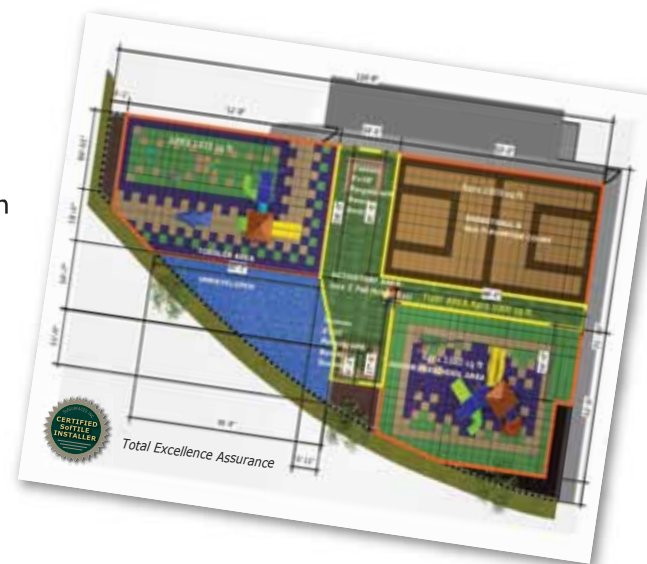
Installation



SofSURFACES Inc.
Certification Program
Total Excellence Assurance

No matter what channel our products take to get to our customers, at SofSURFACES we make sure they are installed correctly and live up to expectations.

All of our installers complete a demanding Certification Program that focuses on installation excellence. SofSURFACES has developed a unique and proprietary installation process which has been designed specifically to eliminate seam separation often associated with the expansion and contraction of traditional tile surfaces. Our techniques are time-tested and proven to perform in any climate condition.



SofTILE

Kros LOCK
DURASAFE SERIES™

Exceeding Performance & Delivering Long Term Peace-of-Mind

Achieving the highest levels of safety in our industry is ingrained in all that we do and we are proud of our system's performance. So much so that SofSURFACES is the only company in the industry offering free on-site testing of our installed surfaces to ensure compliance with National Safety Standards. But that's not all, our on-site testing will demonstrate conclusively that your installed

surface will exceed current safety standards by up to 50%. When you purchase a SofTILE DuraSAFE system, you can be assured that our commitment to quality will translate into years of maintenance-free performance. But don't take our word for it, call us today to inquire about a SofTILE DuraSAFE reference site near you.



WARRANTY
Materials & Workmanship
INCLUDING
Impact Attenuation
to ASTM F1292

Navigating through various product warranties can be a confusing process, but asking the right questions can help to ensure you are protected from expensive out of pocket costs if a claim is required.

Warranty

- SofSURFACES provides a comprehensive 10 year, no cost, limited warranty
- Our warranty is one of the very few that includes long-term compliance to the ASTM F1292 Safety Standard
- SofSURFACES warranty is the only one to include ancillary costs associated with shipping replacement materials to the project
- DuraSAFE is a maintenance-free product and therefore it does not require costly maintenance programs in order to maintain continued warranty coverage
- Our independent certified installation crews often offer extended installation warranties well beyond the industry standard. When purchasing a DuraSAFE system, you can find comfort in knowing that you're protected by the industry's best warranty, supplied by the industry's leading company.

