

THE DESIGNER'S BOOK ON  
**SURFACING**



**SOFTLINE**  
S O L U T I O N S

SAFETY SURFACES & RUBBER MOULDED PRODUCTS



**SAFETY SURFACES &  
RUBBER MOULDED PRODUCTS**

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# COMPANY PROFILE

**Softline** understands that no matter what surface you play, run or walk on, you want to ensure you are as safe and comfortable as possible. **Softline's** commitment to society has led to over 25 years of research and development worldwide to provide our clients with superior surfacing.

**Softline Solutions** was founded to research and fulfill the need for safer, cleaner and sustainable recreation surfaces. This research led to the manufacturing of Pour In Place safety surface systems and other unique

specialist surfacing systems to meet global safety standards without compromising the environmental footprint.

**Softline** evolved into being the leading recreational surfacing supplier for Alberta and continues to expand throughout the world. We understand the play behind the surfaces and the smiles above our surfaces. Through thorough research and field experiments, **Softline** knows the science behind installation in cold, dry harsh climates and warm, humid climates.



**Softline Solutions'** surfaces can be used for a variety of projects, including:

- Schools
- Daycares
- Playgrounds
- Parks
- Outdoor Education Facilities
- Swimming Pools/Wading Pools
- Spray Decks/Splash Pads
- Gymnasiums
- Running Tracks
- Tennis Facilities

- Footpaths
- Military Training Sites
- Agricultural and Equine Matting

Our trained consultants provide you the support service to assist you from project design through to successful completion. Bringing your vision into reality, **Softline** is your complete surfacing provider promoting; quality, sustainability, service excellence and customer value.

# OUR COMMITMENT

At **Softline Solutions**, we know that one thing will always be the same: young people will always want to play. From playgrounds and gymnasiums to running tracks and footpaths, there is a world out there that they cannot wait to explore. That is why we are committed to helping them explore it safely.

**Softline Solutions** is committed to enhancing each of our products with continuous research and reflection on decades of experience. When you work with Softline Solutions, you can be 100% confident that you will experience the following:

- Innovative surface systems that provide hours of exercise, fun, and enjoyment without the fatigue.
- Certified safety surfacing systems that are in compliance with critical fall heights (CFH) and the American Disabilities Act (ADA).
- Customizing options that can turn your visions for safety surfacing into a beautiful reality.
- Longer life expectancy of your surface.
- Use of environmentally friendly, safe materials.



“...This is probably the best project management I have ever experienced. Its amazing!”

*Client Testimonial*

## QUALITY

Our commitment to quality is the unparalleled focus to deliver high-quality products and service to our customers. Quality control measures are strictly followed for every project to ensure the customer receives the best.

## SUSTAINABILITY

Our commitment to sustainability is shown through the consistent use of recycled materials wherever possible in our products. Many of **Softline's** surfaces are installed using locally sourced recycled tires and can also complete the cycle by regenerating surfaces for new uses after its use in surfacing.

## LEADERSHIP IN ENERGY AND ENVIRONMENTAL DESIGN (LEED) GREEN BUILDING RATING SYSTEM

The LEED® Green Building Rating System encourages the global adoption of sustainable green building and development practices through the creation and implementation of universally understood and accepted tools and performance criteria. This is a third party certification program and a nationally accepted benchmark for the design, construction and operation of high performance green buildings.

## SERVICE EXCELLENCE

**Softline Solutions** strives for uncompromised service excellence. Our teams of consultants work from first contact through to successful completion. We work with our clients through; needs analyses, surface design agreements, material selection, installation scheduling, weather monitoring, installation quality and surface testing.

# COMPLETING THE CYCLE SUSTAINING AND RECYCLING TIRES



# PRODUCTS

## MATERIAL:

Most Pour In Place surfaces comprise of a single-pour colour layer on top of a single-pour rubber base layer. This system is superior to using a multiple pad base and provides a seamless surface. Softline Pour In Place rubber base layers are made from recycled rubber tires.

## SBR RECYCLED BLACK GRANULES:

SBR Recycled black granules are sourced from select suppliers within each province in which the

surfacing installation takes place. The black rubber crumb is 100% recycled and used primarily for the impact layer (also known as the base layer) of our FirstBase™, PhysiSurface™, FlexiStep™ and FastTrack™ systems. The SBR rubber employs excellent resilience quality and is a LEED® recognized product. **Softline** has installed SBR finished surfaces where our clients were awarded grant benefits, assisting them in maintaining environmental friendliness.



The printed colour may not represent the accurate colour of the crumb. Please request for product samples to review the exact colour.

## VIRGIN COLOURED GRANULES OPTIONS:

Softline Research and Development Team thoroughly researches all materials focusing specifically on three key areas. These are as follows:

- **Elasticity and shock absorption** - Elastic and impact attenuating qualities that reduce risk of injury and improves safety.
- **Colour Stability and Choice** – Colour stability is a key focus in harsh UV environments. Softline ensures that UV stability tests have

been completed on its colour products to provide leading colour surfaces that are long-lasting, weather resistant and UV stable. Virgin coloured granules are available in a broad variety of colours and offer virtually endless creative scope for imaginative designs for all types of surfacing requirements.

- **Cushioned, anti-slip foot contact** - These properties, as well as permeability, are crucial for floor coverings on spray decks, ship decks, roof terraces and swimming pool surrounds.

**TPV (THERMO PLASTIC VULCANIZED):**

The TPV elastomers are the high-performance elastomers that combine the best attributes of vulcanized rubber – such as flexibility and low compression set – with the processing ease of thermoplastics.

**EPDM (ETHELYNE PROPYLENE DIENE MONOMER):**

**Softline** has applied extensive research into providing long-lasting, weather resistant and UV colour stable EPDM granules while maintaining strong durable elasticity qualities.



The printed colour may not represent the accurate colour of the crumb. Please request for product samples to review the exact colour.



# FIRSTBASE Safety Surface System

When it comes to keeping children safe on playgrounds, running tracks, and other play spaces, trust **Softline** for the best in rubber safety surface installation. Our innovative **FirstBase™** Pour In Place safety surface system is a seamless and resilient rubber surface made from recycled tire materials.

**Softline's** 25 years of scientific and field research has ensured that our **FirstBase™** Pour In Place safety surface system minimizes impact for children's play spaces, including playgrounds, running tracks, and more. The **FirstBase™** safety surface system maintains

excellent resilience and has the following benefits:

- IPEMA certified for 6 and 10 foot fall heights
- Meets CSA Z614-07, ASTM F1292 and ASTM F1951 standards
- Made from environment-friendly, non-toxic materials.
- Utilizes a clean and efficient manufacturing process to minimize environmental impact.
- **FirstBase™** safety surface system is an American Disabilities Act (ADA) compliant surface.



“ Thank you - your crew is very professional and a pleasure to speak with on site. ”

*Client Testimonial*

## THE FirstBase™ FACTS

Our **FirstBase™** safety surface system is designed to meet your community's minimum Fall Height criteria. The depth of the impact layer - which creates the resilient quality that our surfaces are known for - can be customized to ensure that you fulfill minimum Fall Height Criteria.



To verify product certification, visit [www.ipema.org](http://www.ipema.org)

## IPEMA CERTIFIED

FirstBase safety surfaces are certified by IPEMA for 6 and 10 foot fall height standards under ASTM 1292. Visit [www.ipema.org](http://www.ipema.org) to learn more and verify our certification.

## THE FirstBase™ CUSTOMIZATION PROCESS

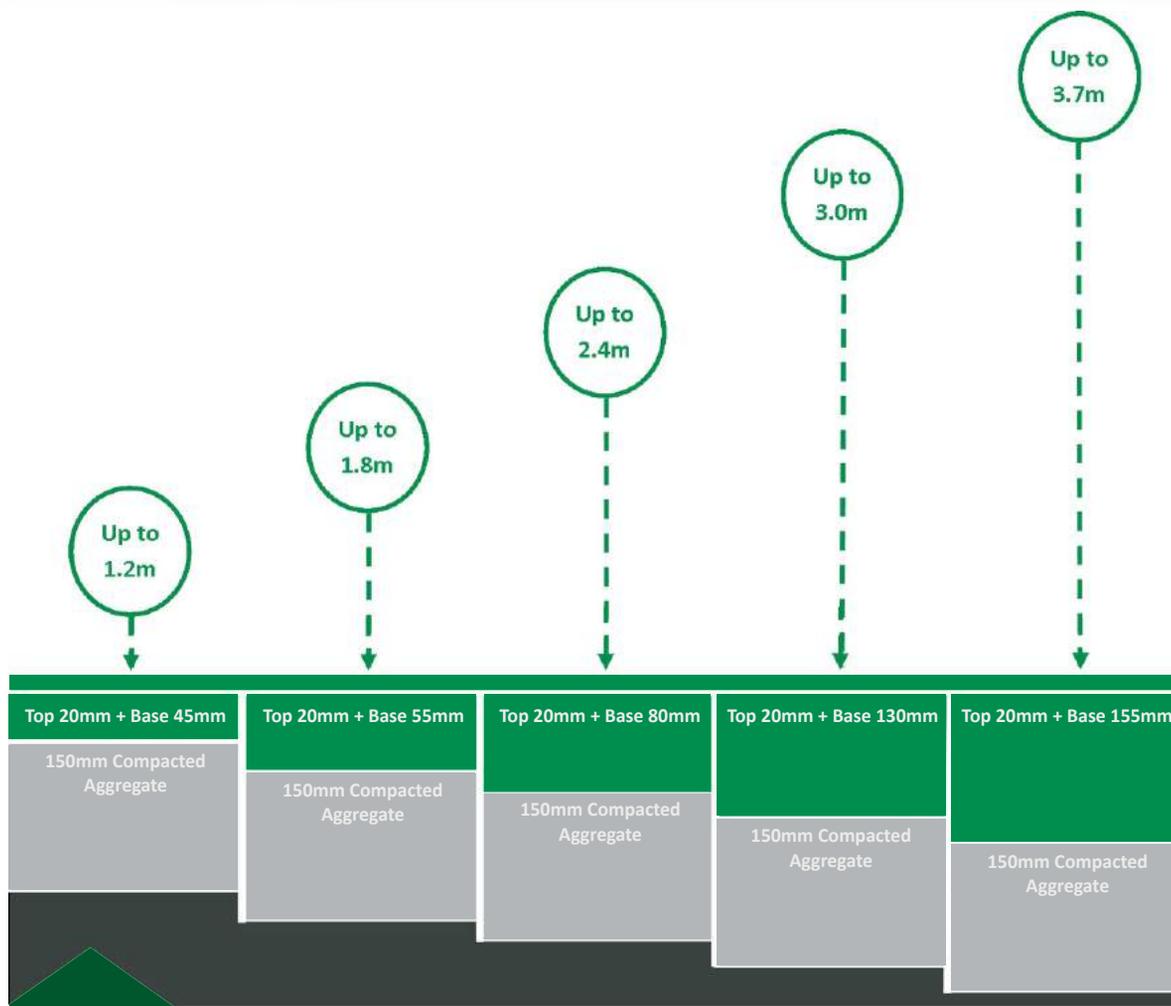
FirstBase™ Pour In Place safety system can be customized based on your unique needs. No matter what colours or surface contours you require, our friendly and dedicated team can provide you with your desired safety surface installation. Our design team will assist you throughout the entire process, providing designs for your approval.

From logos and colour designs to games, our safety surfaces will be enjoyed for many, many play hours. Simply let our designers know what you would like to see on your rubber safety surfacing, and we will take the customization process from there. This is an ideal choice for playgrounds, daycares, athletic tracks and other surfaces where everyone can enjoy these games and logos.

The FirstBase™ safety surface system is an ideal choice for the following:

- Schools
- Daycares
- Playgrounds
- Parks
- Outdoor Education Facilities
- Gymnasiums

With top-quality service and long-life quality installations, your FirstBase™ safety surface system is guaranteed to give many years of satisfaction.



“Very helpful staff - received information throughout booking process. Installation staff was very good.”

*Client Testimonial*



Spending a lazy day by the pool or splashing around in a water park has now become safer, thanks to **Softline Solutions' SealFloor™**, an innovative Pour In Place surface system that's specifically designed for water parks, pool surrounds, shower rooms, and other aquatic areas.

Our **SealFloor™** surface system is designed to give you the firm grip you need, even on the wettest of surfaces. This greatly enhances the safety and security of all players, swimmers and poolside patrons, while adding a unique and aesthetically-pleasing appearance to your community waterpark or pool.



## MAXIMUM GRIP WITH MINIMAL SLIP

Our slip-resistant surface system is designed to provide maximum grip while minimizing the chances of slipping. The friendly and professional team at Softline Solutions has created the **SealFloor™** surface system so that it can be laid on a concrete or rigid surface, while maintaining excellent drainage qualities and preventing stagnation from water pooling.

The installation process ensures that your pool or water park surface provides maximum grip and shock absorption. Before installation, your **SealFloor™** surface system will be pretreated to ensure the highest quality and resilience. The **SealFloor™** surface system can be installed to a 25mm depth and finished in SBR or Virgin Coloured Rubber.

## THE SealFloor™ ADVANTAGE

**SealFloor™** slip-resistant surface system can be

customized based on your requirements and needs. **Softline Solutions** has over 20 years of scientific and field research backing our slip-resistant surface system, so you know you will be getting the best surface installation in the industry.

There is no match for our **SealFloor™** slip-resistant surface system, as it has the following advantages:

- Unrivalled strength, absorption, and resistance against long-term use, even in the dampest conditions.
- Made from environment-friendly, non-toxic materials that can be easily recycled.
- Utilizes a clean and efficient manufacturing process to minimize environmental impact.

## UNIQUE CUSTOMIZATION OPTIONS

Whether you're looking for a colourful waterpark or want a logo on the pool's surrounding surfaces,

Softline Solutions' design team can help you create the ideal look for your SealFloor™ safety surface system.



## OUR COMMITMENT TO GREEN PRACTICES

SealFloor™ Pour In Place surface system can be made from 100% recycled materials that are locally sourced. Our environmentally slip-resistant safety surfaces may qualify you or your business for grants, tax credits, and other environmental benefits.

SealFloor™ surface system guarantees top-quality installation and enhances play value. Our customer service team will work with you to ensure that your pool or water park surfacing needs are met.

SealFloor™ surface system is an ideal choice for:

- Pool surfaces
- Water parks
- Aquatic play areas
- Shower rooms
- Indoor/outdoor pool areas





# PHYSISURFACE Surface System

Playing and exercising on worn-out and cracked surfaces are not just a drag on your outdoor activities; it can actually be dangerous to your health. Tough surfaces fatigue your body, leading to a greater chance of injury or accidents.

That is why sport turfs, tennis courts and outdoor fitness areas feature **Softline Solutions' PhysiSurface™** – an innovative outdoor safety surface system – providing hours of exercise, fun and enjoyment without the

fatigue. **PhysiSurface™** is comprised of a single layer surface that is installed to a depth of 35mm and has significant traffic-wear qualities, along with anti-fatigue resilient qualities to provide an optimum surface.

Our **PhysiSurface™** surface system can be laid over an existing hard surface or on a 150mm-depth aggregate base compacted to an excess of 95% S.P.D. (Standard Proctor Density). The **PhysiSurface™** surface system can be finished in SBR or Virgin Coloured Rubber.



“I have Softline as my first contact for any surfacing needs we may have in the future...”

*Client Testimonial*

## UNIQUE CUSTOMIZATION OPTIONS

**Softline Solutions' PhysiSurface™** surface system can be customized based on your requirements. Whether you want your surface to feature the team's logo or feature unique designs, the professional and friendly design team at **Softline Solutions** can provide these options.

**Softline Solutions' PhysiSurface™** surface system is ideal for a variety of athletic fields, including tennis courts, basketball courts, footpaths, and more. Discover the difference **PhysiSurface™** can make to the team's athletic performance.



# FASTTRACK Surface System

**FastTrack™** surface system is a running track system used for schools, sports facilities, universities and so on! Its unique, firm yet slightly resilient qualities support runners' performance with less body fatigue. This surface can be sealed with an anti-slip PaintTop system to enhance colour design and lane markings. **FastTrack™** surface system is unique to the industry for providing aesthetically pleasing surfaces to answer to our clients' vision. Additionally, **FastTrack™** can be installed using 100% recycled rubber crumb material.

## THE FastTrack™ FACTS

**Softline Solutions' FastTrack™** surface system can

be laid over existing hard surfaces or on a 150mm depth aggregate base compacted to an excess of 95% SPD (Standard Proctor Density). **FastTrack™** surface system is comprised of a single layer surface with the optional PaintTop system, which can be installed to a depth of 45mm, providing a prime athletic surface. The **FastTrack™** surface system can be finished in SBR or Virgin Coloured Rubber.

## UNIQUE CUSTOMIZATION OPTIONS

Using the PaintTop system the **FastTrack™** surface system can be completely customized to meet the athletics' vision.





**FlexiStep™** surface system is a unique and innovative trail application surface that is resilient, safe, and minimizes the fatigue muscles encounter when walking on trails.

**FlexiStep™** is unique to the industry for providing aesthetically pleasing surfaces that can be made of 100% recycled rubber crumb materials, all of which can be locally sourced. **FlexiStep™** can also be used as permeable pavement for sensitive landscape environments.

## THE FlexiStep™ FACTS

**Softline Solutions' FlexiStep™** surface system can be laid over existing hard surfaces or on a 150mm-depth aggregate base compacted to an excess of 95% SPD (Standard Proctor Density). **FlexiStep™** surface system is comprised of a single layer surface, which can be installed to a depth of 50mm providing a cushioned surface for walking trails, courtyards, golf trails and other areas. The **FlexiStep™** surface system can be finished in SBR or Virgin Coloured Rubber.



“From the start of the project, staff from Softline were incredible to deal with. It was evident from the first meeting that excellent customer service was a top down approach. Quotations were quick. Work was quick. Crews were excellent to deal with.”

*Client Testimonial*

## UNIQUE CUSTOMIZATION OPTIONS

Whether you want to feature a bright walking trail or incorporate the club's logo on a golf trail, the friendly design team at Softline Solutions can turn your visions into reality.

## OUR COMMITMENT TO GREEN PRACTICES

**FlexiStep™** combines the best rubber surfacing with

environmental and aesthetic quality. Communities could qualify for Municipal Tire Stewardship Grants when using recycled rubber material in their **FlexiStep™** system.

**FlexiStep™** surface system is ideal for walking surfaces, trails, golf trails, outdoor nursing home surfaces, and other areas where your clients may need superior resilient qualities to minimize fatigue.



# WEARMATS

Loose-fill playgrounds may provide minimal protection for playing children – but what happens if a child falls on an exposed surface? **Softline** manufactures **Wear Mats** - unique rubber surfacing mats that provide ideal protection in areas containing loose-fill materials, such as wood chips and sand. These Wear Mats are ideal for the following areas:

- Playgrounds
- Daycares
- Outdoor parks

**Softline Wear Mats** can be placed underneath the loose-fill materials, minimizing the risk of accidents on

exposed bare layers or clay, which is often caused by the migration of loose surfaces in heavy use areas.

These **Wear Mats** are simple to install and provide a lifetime of protection

## **GREENER PRACTICES. HIGHER QUALITY.**

At **Softline Solutions**, we're committed to greener practices that produce higher quality safety surfacing materials. Our **Wear Mats** are tested to meet CSA and ASTM requirements for HIC and GMAX ratings. Additionally, these mats can be customized based on your requirements. From size to colouring, the **Wear Mats** can be as unique and special as the children who play on the playgrounds.



### **Standard Wear Mat Sizes:**

**Swing Wear Mats: 915mm x 1829mm x 76mm**

**Slide Wear Mats: 1219mm x 1219mm x 76mm**



## FLEXIEDGE Surround System

The edges of outdoor play areas in daycares and playgrounds can pose significant risk for injury to young children. Falling on a corner can cause bruises, broken bones, and other injuries, especially if the edge is made from concrete or splintered wood.

That is why clients choose to eliminate the risk of injury to children with **Softline Solutions' FlexiEdge™**

surround system. **FlexiEdge™** can either be pre-cast based on provided measurements, or poured on site to ensure maximum safety and resilience. The pre-cast **FlexiEdge™** can also be easily installed by your own staff members.



“...This is probably the best project management I have ever experienced. Its amazing!”

*Client Testimonial*

**FlexiEdge™** can be customized based on the size of your play area. Additionally, **Softline's** design team can help you customize your **FlexiEdge™** surround

system, which can feature multiple colours and special designs for a unique touch.



# BESPOKEMOULDING

**Softline Solutions** may be renowned for providing superior rubber safety surfaces, but we are also known for providing fun, colourful, and resilient **bespoke rubber moulding** and surfaces. From climbing

walls and agility mounds to landscape concepts and climbing rocks, our **bespoke rubber moulding** and surfaces are as creative and colourful as your ideas for play areas.



Our consultants can provide design and construction services, so you can be sure your play areas will carry **Softline Solutions'** quality and resilience.

Our **bespoke moulding** and surfaces are ideal for the following:

- Climbing Walls
- Agility Zones

- Agility Mounds
- Landscape Concepts
- Boulders
- Climbing Rocks

As with all **Softline Solutions'** rubber surfacing products, our **bespoke moulding** and surfaces can be made with environmentally friendly 100% recycled rubber.

# RESEARCH

**Softline Solutions** is committed to enhancing each of our products with decades of field research and experience. Our combination of expert field research and innovation has ensured that each of our rubber safety surfacing products brings the highest quality and safety to our customers.

**Softline Solutions** works hard to improve upon even our greatest innovations. It is not enough to be the best in the industry; in fact, we work hard to pursue ongoing design and development improvements in every facet of our product design process. From start to finish, **Softline Solutions** applies decades of research and field experience to our products to ensure that our customers experience the best safety surface products in the industry.



As part of our commitment to our customers and greener production practices, **Softline Solutions AB Inc.** has carried out continuous research studies on the safe-surfacing needs of our clients. Our 100% recycled products ensure that our clients experience superior safety surfacing products that can qualify them for many environmental reward programs.

Testing is carried out by accredited laboratories on materials and sample surfaces in order to continuously improve our product range and performance. One of

the tests we utilize is the TRIAX2010 testing method. All surfaces can be tested by our TRIAX2010 drop test unit to ensure surfaces meet ASTM F1292 standards. This is operated by our trained field technicians who can issue computerized reports of the Critical Fall Heights giving HICs and G Max ratings.

Over the years, **Softline Solutions** has built an impressive collection of data that continues to grow every day. We invite you to learn more about our research, our products, and our strong commitment to our customers.

# SPECIFICATION SUPPORT SERVICE

**Softline Solutions** is committed to providing our customers with a superior and highly enjoyable purchasing experience. Softline offers an easy-to-access support service, which is specifically tailored to provide the back-up support and assurance designers need.

After all, we know that even the most talented designers need assistance – and at **Softline Solutions**, you'll have access to the assistance you need. This ensures that your design visions for your

surfacing turn into a reality.

Simply provide your own design requirements to our team of specialists for a detailed appraisal. Our consultants can recommend the best options for you, including potential revisions to increase aesthetic value. These consultations are free of charge and there is no obligation to purchase.



# MAINTENANCE

**Softline Solutions** surface systems are very low maintenance systems. The following procedures are the standard maintenance procedures for all surface systems:

- Loose debris such as sand, dirt and small stones on top of the surface systems can produce tripping hazards and shorten the life of the surface. It is recommended that periodic removal of this loose debris be performed with a blower or vacuum every

two to three weeks.

- The surface may be power washed with a mild soap detergent.
- Snow clearing - **Softline** surfaces may be cleared by a pedestrian machine with power brush or rubber lined snow blade.
  - *Note: Vehicular use on **Softline** surfaces is too heavy and the rubber tire traction against the surface may cause damage.*



As part of our commitment to superior customer service, **Softline Solutions** provides the AllSmiles™ standard 3 year warranty package for all surface systems at no extra charge. For an additional charge Softline will provide an extended warranty for 5 years.

Whether you're looking for a better playground surface for a community play area or have a water park in need of non-slip surfacing, trust **Softline Solutions** for superior product, quality installation, and service.

# FREQUENTLY ASKED QUESTIONS



## Do **Softline's** surfaces withstand harsh temperatures?



Yes, **Softline's** surfaces can endure extreme temperatures due to its flexible qualities. Even at -30° Celsius, our surfaces still have the resilient quality that will keep you safe.



## Do **Softline's** surfaces burn?



No. Our surfaces withstand the Hot Bolt Flammability Test heated to 900° Celsius and placed on the surface – therefore proving its low combustibility.



## Are **Softline's** surfaces repairable?



Yes, damaged areas can be cut out and replaced with the option of incorporating a surface design image. We also supply training and repair kits for smaller damaged areas.



## Can **Softline's** surfaces be for indoor and outdoor use?



Yes. **Softline's** surface systems are versatile for many areas of use, whether indoors or outdoors.



## Do **Softline's** surfaces contain latex?



No. MSDS sheets can be provided for all our products, which show the content of all materials.



## Do you have warranties on your products?



Yes. All of our products come with warranties.



## Are **Softline's** surface systems easy to clean?



Yes. A light power wash with mild detergent will remove dirt without causing damage to the surface.



## Do rubber surfaces smell?



During the installation process, you may experience a slight odour that has been likened to the odour of a new car. This is a harmless odour that disappears as the product cures.







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