From This...

USGBC – The USGBC (United States Green Build Council) / LEED (Leadership in Energy and Environmental Design) is the most widely used green building rating system in the world. Available for virtually all building, community and home project types, LEED provides a framework to create healthy, highly efficient and cost-saving green buildings. LEED certification is a globally recognized symbol of sustainability achievement. As a member of this organization, using our products will help close the loop by achieving up to seven (7) LEED points/credits.

Please Note: None of Unity’s photographs are not digitally altered, edited,
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developed or computer generated to fool you. Our images are 100% authentic and real!
Our Safety Surfacing, Flooring and Paver Solutions:

Unity Creations, Ltd. / Unity Surfacing Systems products are engineered and manufactured using the best and safest materials available through our sister company which recycles tires and rubber in-house. Unity, a manufacturing business since 1987, has developed and patented a superior, resilient product made from 100% recycled tires and rubber that is clean and safe to use in almost any environment. Our ingenious design and unique features give us an unparalleled advantage over competing products in the industry.

Safety, Quantity, Durability, Performance and long term value define Unity’s products. The advantages to our system over others on the market today include:

- Will not decompose
- Provides noise reduction
- No retaining edge needed
- Easy cleaning/maintenance
- Very stable footing
- Low life cycle costs
- Excellent drainage
- Attractive appearance
- Will not displace during usage by anyone
- Consistent shock absorbency year round
- Will not harbor foreign objects (glass)
- Provides vandalism protection
A fall onto a shock absorbing surfacing is less likely to cause serious injury in contrast to a fall onto a hard unsafe surface. Head impact injuries from falls onto unsafe are almost always life threatening. The severity of injury is decreased when using shock absorbing surfaces such as our unitary rubberized safety surfacing, flooring products. Additionally; walking, playing, running, standing, or simply just enjoying our products helps avoid leg fatigue in people of all ages.

A playground or any surfacing and flooring area that has uncontrolled access may require a unitary surface (i.e. Rubber tiles/mats/blocks and/or pavers) to ensure the highest standard of safety. It also reduces high maintenance costs commonly associated with loose filled products and/or turf materials.

Space is the most valuable asset in most major cities. There is an increasing demand for our products to be installed on rooftops and indoors. We are the only manufacturer to pass several types of class “A” fire tests, including modified versions specifically for these applications, making our products superior for such installations. If required, other fire rated versions are available prior to ordering.
Unlike other playground surfaces, Unity features a flexible double tile/mat/block/paver system. With it has a fake seam down the middle to accommodate and adjust to minor variations in sub-bases. Our resilient double panel allows us to have a monolithic Step & Repeat pattern, which lines real seams with fake seams as if you were installing “brickwork.” These technological developments in design act as a backup to further resist separation, curling, peeling and vandalism across a playground area. Fake seam force real seams to stay in place.

**High Density Wear Tops**

Our wear-top is manufactured using recycled rubber in conjunction with a wide variety of slip resistant pigments and/or blended EDPM/TPV material, coupled with our specially formulated binders. These high density, textured wear-top options are resilient and won't crack, puncture or heave in the most hostile of weather conditions. This versatility is unmatched and provides year round use to the end-user.

**Self Interlocking Design**

The patented durable C-shaped self-interlocking design is built directly into the product itself. It locks tightly together thanks to the supporting “back-wall,” which prohibits unnecessary separation, curling, peeling and shifting that may result in vandalism. It is installed with our specially formulated glue/adhesive, while still providing unlimited access for any maintenance related issues.
With this view from the bottom, one can see that our solid coned (feet and/or leg) design acts as a shock absorber from falls onto the surface below. Being a water permeable product, it also helps with storm water management, by allowing water to flow freely and evenly to the drainage outlet when installed on a crushed stone or a solid sub-base such as concrete (cement) and/or asphalt (blacktop). Our product design also eliminates any “hard spots” and/or “picture framing,” a common design problem with other competing products on the market today.

A revolutionary advancement in design is our patented Button-Lock™ technology where the projection of one rubber paver is receivable by a corresponding slot/recession of another rubber paver. It is designed to literally “snap and hook” into place, which has been tested to provide an extra layer of protection to the end user. This additional locking mechanism provides the most secure installations on the market, both horizontally and vertically.

Our unique glue drainage port is the only patented system on the market specifically engineered and designed to allow any access glue/adhesive, applied during the installation process, to ooze down and away from the top of our products. This provides the completed area with a nice clean finished look without the burden of glue being tracked onto the newly installed product by untrained contractors/installers.
Bolt-Down Capabilities

A feature that is exclusive to Unity Creations, Ltd. / Unity Surfacing Systems attributed to its additional patents, is the BOLT-DOWN capability that is found within the male portion of our interlocking system. It is countersunk for added strength and security, even under the most extreme environmental conditions and/or usage. Twelve bolts are used across various portions of the product to ensure that vandalism will not be tolerated by Unity and its products.

Handicapped Accessibility

More and more agencies are becoming aware of the fact that all public facilities must be handicapped accessible. With the 1991 passage of the “Americans with Disabilities Act” (ADA), many areas are being planned or modified to give people with disabilities an opportunity to participate in more everyday activities. Regardless of who you are, we make it easy to maneuver strollers, crutches, wheel chairs, canes, walkers, etc., as all of our products are designed to give those with or without disabilities and varying mobility’s access to freely navigate as per ASTM’s Accessibility-Rotational Penetrometer test.

“We have determined that Unity significantly outshines all other rubber tiles. The determining factors: The product is double the size of all other brands throughout the industry. The self-interlocking feature, variety of color choices, and pliability of material make this an ideal product for our playground and should be for all others as well. Keep up the good work.” Carol - board director.

Sub-Surfacing/Base Options

With life expectancy of our products being about 20 years or more (if properly maintained), we suggest installing a solid sub-base material (concrete or asphalt) leaving a slight pitch for drainage. Other types of sub-base material include: Compacted crushed stone (quarry, blend), decking, roof membrane and/or any standard indoor/ outdoor flooring that does not have large stress cracks.
**EPDM/TPV Chip Choices**

The **Splash Design** and SOLID TPV/EPDM TOP tiles/mats/blocks/pavers can be manufactured using diverse color combinations and/or percentages generated from the TPV/EPDM granule chart listed below. As a result, one can have unlimited design potential that would compliment any playground, day care facility, fitness, athletic and/or recreational areas. TPV/EPDM color choices include:
Installation

Our products place in the intermediate category regarding installation difficulty. Contractors carry out most of the installations. An installation manual/guide is available upon request and shipped with every order. Adhesive must be applied to a solid base and/or interlocks of our products. Tools that are common for typical installations include: a utility knife or jig saw for cutting, a straight edge to make your cuts accurately, a string line and tape measure. A trowel or caulking gun may be needed for gluing purposes.

The newly developed interlocking features can provide several types of installation procedures allowing one to stagger the joints/interlocks anywhere. This allows for free-flowing designs, layouts and patterns that are effortless to achieve with the "running bond" method, known as our "Step & Repeat", being most popular.

Designs/Layouts/Patterns

After many years of use, like other products on the market today, Unity’s products can be painted for a fresh new look. We provide the necessary paints that can be sprayed on or simply rolled on for a brand new look. This application can provide less heat build up and extend the life of our products for many more years to come. We typically carry our standard pigmented colors. However, custom coloring is available upon request.
These critical tests are the value of avoiding legal problems resulting from lawsuits that stem from inappropriate ground cover. Unity meets or exceeds these ASTM, CPSC & ADA standards by up to 42% when compared with other competing products on the market today. Please ask about the many other tests we have completed as well.

Warranty

Due to the extreme durability of our safety surfacing, flooring and paver system, each and every product manufactured by Unity Creations, Ltd./Unity Surfacing Systems is backed by a full warranty to protect you and your investment from manufacturing defects. New “extended” warranties have also been added to further strengthen the guarantee of our products and services. Our warranties are specifically designed to assist architects, engineers, project managers and owners to maximize the cost and performance warranty benefits associated with our system. In the end, we offer our customers exceptional value that is unmatched in the industry. Contact Unity directly for more information. A written warranty is available upon request.
Unity believes that our products size, weight, durability, longevity, fall protection ratings (the highest in the industry), and ability to have an integrated self-interlocking feature (for rooftop applications), with bolt-down capabilities (for playground use), can be effectively and easily secured on site to eliminate the potential for wind-up-lift, vandalism and maintenance issues. Everyone at Unity Creations, Ltd. / Unity Surfacing Systems would like to thank you for your interest in our products and services.

*Please ask us about other OEM products that we can produce exclusively for you and your needs.*