

For the crazy things kids do.



All parents want their kids to be safe. And so do we. Which is why Brock created a shock absorbing layer for the crazy things kids do.

The Test*

The Testing Device



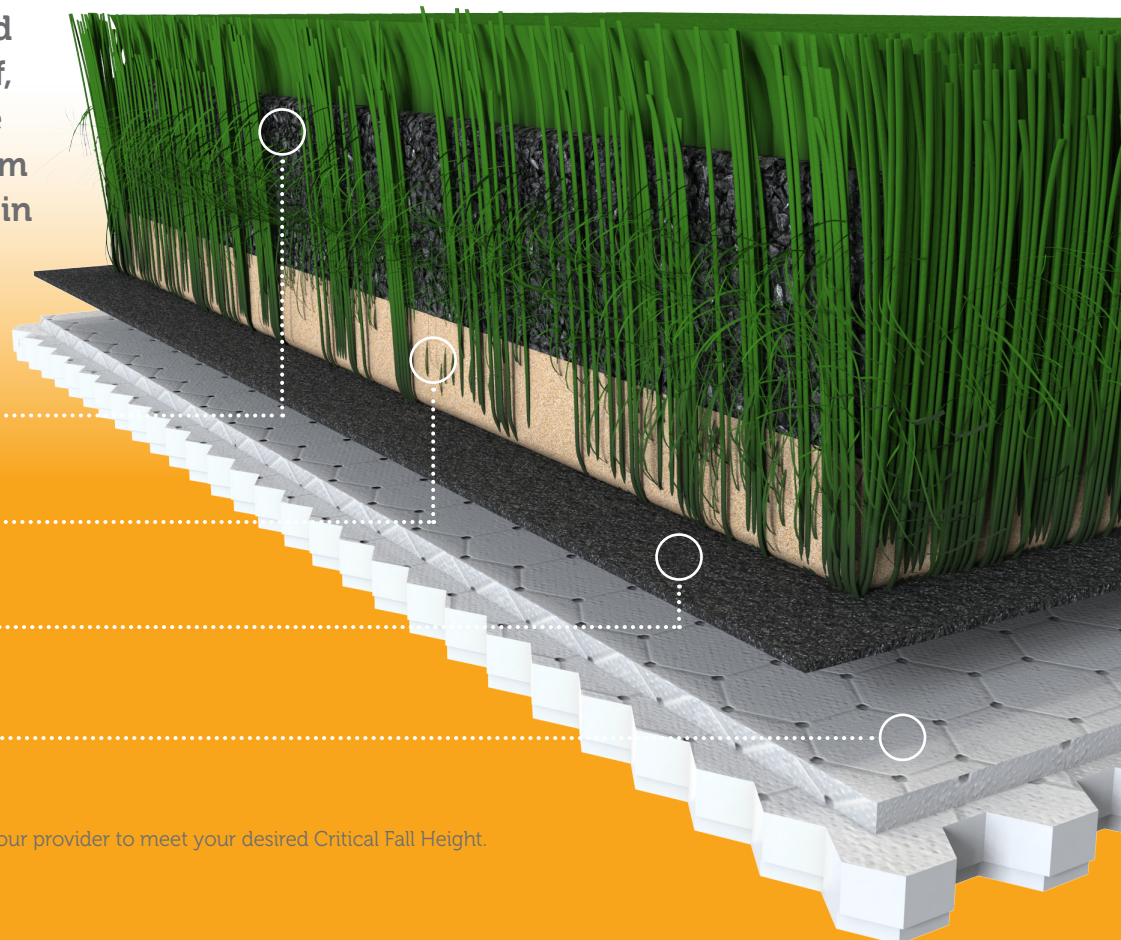
HIC (Simulated Head Impacts)

Head Injury Criterion (HIC) is an internationally recognized metric for estimating the risk and severity of head injuries. HIC is used for playgrounds, automotive crashes, wall padding, pole vault pads, and the World Rugby standard for artificial turf. To test playground surfaces, a 10 lb hemispherical head form is dropped from increasing heights, and the measured HIC scores are used to determine Critical Fall Height (CFH). The higher the CFH, the more protective the surface is against head injuries.



ASTM F1292 / ASTM F3313

The system is comprised of a quality artificial turf, infill and the PowerBase PLAY shock pad. A system that can outlast poured in place surfaces by 2-3X!



Rubber Infill*

Sand Infill*

Turf Backing

PowerBase PLAY (2")

* The finished system can be tuned by your provider to meet your desired Critical Fall Height.



Let them PLAY!

Outside play is critical in a child's development. It builds strength, coordination, self-confidence and most importantly it's FUN! Playground equipment has come a long way, and now so has the surface it relies upon.

PowerBase PLAY by Brock is the only complete base system that has been designed and engineered specifically for artificial turf playgrounds and the kids who play on them.

Quality that every playground needs.

Each patented feature of the PowerBase PLAY panel optimizes function for safety, drainage, turf stability and precision. Most importantly, the system provides unparalleled impact safety that lasts.

PowerBase PLAY is produced from 100% pure high-grade expanded polypropylene. This non-toxic and highly durable material will not decay or degrade. PowerBase PLAY is resistant to bacteria, fungi, and chemicals, is 100% recyclable and complies with the most stringent environmental standards.



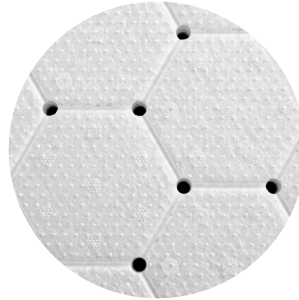
Each feature of the PowerBase PLAY shock pad plays an important role in the overall safety, drainage, installation and durability of the surface. Reaching the desired Critical Fall Height* and maintaining ADA compliance are all built into the design.



CONSISTENT

The overlapping design ensures a consistent surface even at the seams

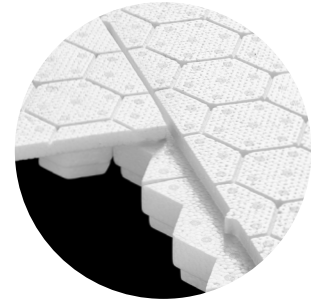
[Top View]



POROUS

Molded-in holes funnel water into the lower drainage channels

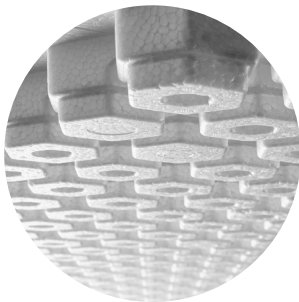
[Top View]



SMART

Mechanical interlocks on each panel - no adhesives or fasteners needed

[Top View]



RESPONSIVE

Thousands of of cushioning hexagons activate to absorb impacts

[Bottom View]



DURABLE

A thick core with tiered hexagons maintains its structure and resilience over time

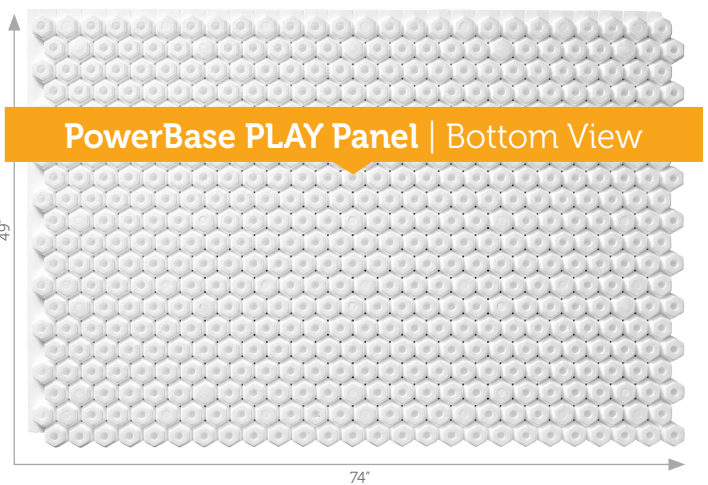
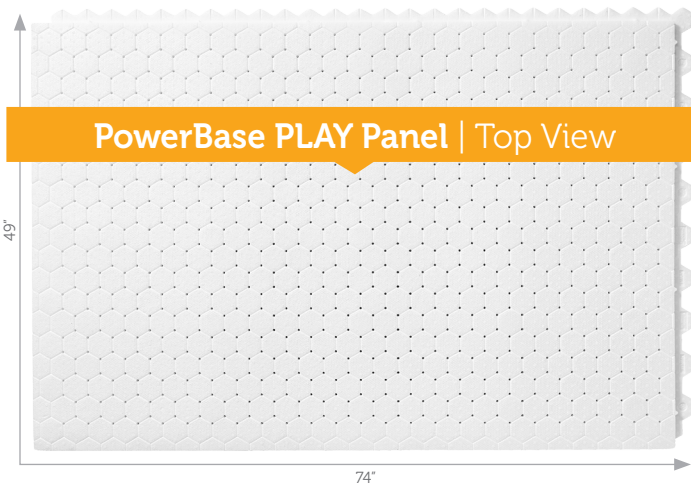
[Side View]



RELIABLE

Continuous drain channels move water off the surface FAST

[Bottom View]



* The Critical Fall Height will depend on other factors as well.

The engineered shock pad for long term playground safety.



Our commitment to the quality and safety of play:

Established in 1998 to serve the athletic equipment and artificial turf field markets, Brock has developed a variety of products that enhance athletic performance, safety and the quality of play. Our broad line of technologies for artificial turf has been used successfully from the NFL and NCAA levels to children's leagues and the local park. Our systems have produced fields that last longer, are safer to play on and reduce environmental impact. With the proliferation of PowerBase PLAY, Brock has now committed its technology and engineering know-how to improving children's playgrounds and play areas.



SAFETY: PowerBase PLAY is designed to create a surface with an elevated degree of safety, year after year, in any climatic condition.



ENVIRONMENT: PowerBase PLAY is made from a 100% recyclable material and is certified to the world's most stringent environmental standards.



DRAINAGE: The vertical and lateral drainage capability of PowerBase PLAY results in a reliable, efficiently draining play area, while also addressing water storage for storm water management.



DESIGN: PowerBase PLAY is a thermal insulation and drainage layer that can be installed over both permeable or impermeable bases, greatly reducing the risk of frost heave and the need for costly drainage systems.



INSTALLATION: PowerBase PLAY panels install with maximum precision using a unique patented interlocking system, thus eliminating the need for glues or tapes. PowerBase PLAY has been engineered as a dimensionally stable system that can be installed in virtually any climatic condition. A typical playground installs in less than a day.



10-YEAR WARRANTY: The quality and performance of PowerBase PLAY doesn't change with time, so years of reliable safety are guaranteed. That's serious peace of mind for the installer and owner.



QUALITY ASSURANCE: PowerBase PLAY is manufactured to strict quality standards, will not decay or degrade over time, and is resistant to bacteria, fungi, and chemicals.



Cradle to Cradle. The design concept that loves nature.

Brock uses an eco-effective approach to design that allows manufacturers and customers to celebrate the quality of materials used in a product. The central idea behind this concept is that a product must be created in such a way that it becomes an asset, not a liability, following its initial use and never goes to a landfill.

PowerBase PLAY is manufactured as an interlocking panel system with the highest quality expanded polypropylene, well known for its longevity and environmental safety. After decades of use, the panels can be easily removed, cleaned and reused in their next life as a quality, durable material with minimal use of additional energy or waste. Alternatively, as a pure mono-component material, the panels can be easily recycled and remade into other quality products, eliminating the demand for new fossil fuels. Most manufactured and poured-in-place materials are hybrids which are mixtures of components that are difficult or impossible to salvage. These materials are simply

more expensive to recycle than to dispose of, which means that they inevitably end up being burned or in a landfill. PowerBase PLAY is instead a pure non-toxic product that can be used for closed-loop recycling over and over again.

- 🔗 100% closed loop Recyclable
- 🔗 100% non-toxic and lead free
- 🔗 100% pure polypropylene
- 🔗 Material recovery and re-use
- 🔗 No landfill costs or environmental consequences

IMAGINE A WORLD IN WHICH ALL PRODUCTS ARE DESIGNED ACCORDING TO THE CRADLE TO CRADLE CONCEPT