

# Geofill®

**ELITE PERFORMANCE BY NATURE.**



THE  
TOP

# FIVE

REASONS TO CHOOSE

# Geo*fill*

®



## 1 IT'S NATURAL.

Geofill is the leading natural alternative infill in the synthetic turf market. It is made from completely natural materials that are environmentally friendly. Geofill is composed primarily of coconut husks and fibers.\* Coconut fibers are 100% organic and are a rapidly-renewable resource.

## 2 IT PERFORMS.

Geofill provides the natural footing and support of a natural playing field without the mess of dirt and instability of other infill systems. Geofill demonstrates great infill stability and excels in critical ball-to-surface interactions such as ball roll and ball bounce. The use of a shock pad with a Geofill system keeps the field safe, while providing the best in performance characteristics. GeoFill performance infill looks and performs like natural soil with the added benefit of continuous hours of play you expect from high performance synthetic turf systems from Shaw Sport Turf.

## 3 IT'S COOLER.

As an absorptive organic material, Geofill is inherently cooler than other synthetic turf playing surfaces. The coconut fibers in Geofill have excellent moisture retention qualities which allows the system to absorb water; which is released when sunlight warms the field. The release of water removes the heat through evaporative cooling. The surface will remain cooler as long as there is water present. Geofill fields have been seen to be as much as 40 degrees cooler than traditional synthetic turf fields. Other alternative infills claim to be cooler, but most are hydrophobic and cannot provide the cooling effect that Geofill has.

## 4 IT'S PROVEN.

Currently, there are over 500 successful Geofill installations around the world, ranging from recreation fields to professional level soccer pitches. Coconut fibers have also been used for hundreds of years. Ancient Polynesians used coconut husks for everything from ropes, to baskets, and materials for holding their homes and canoes together. Coconut fibers are used in netting which is used to stop and prevent erosion.

## 5 IT'S ENVIRONMENTALLY-FRIENDLY.

Because it's natural, Geofill provides an organic ground layer for a field. Geofill allows for clean water runoff. Coconut fibers have an excellent natural resistance to mold, mildew, and decay. For Geofill, end-of-life recycling means it's as easy as using it to create a soil layer in a garden bed.

\* 90% coconut / 10% natural derived plant based matter



## The Natural Choice

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The coconut in our Geofill system comes from Sri Lanka or India. These two geographic areas are the leading suppliers of coconut coir fibers in the world.

Geofill is the leading natural “soil” infill in our industry – it acts like soil. Due to salt water retting, Geofill is resistant to mold, mildew, and salts. Geofill’s unique mix of coconut fibers create a natural matrix; locking in the infill and reducing infill flyout.

The organic nature of the material alleviates the concerns with questionable chemicals from any synthetic infill material. It is a completely safe system that serves as an excellent natural choice. Geofill will not negatively affect the environment, subsequent users, or a landfill at the end of its life cycle.

**NATURAL. PERFORMS. PROVEN. COOLER. AFFORDABLE.**





# Geofill System

- FIBER
- GEOFILL
- SAND
- SHOCK PAD  
\* required



Geofill has been in use for over 10 years, longer than any alternative infill on the market. Geofill has more installations than any other alternative infill system; with over 500 fields worldwide, including every type of climate from Southeast Asia, Russia, Africa, and the U.S.

Geofill is 100% natural and plays natural resulting in perfect balance of Vertical Deformation, Rotational Resistance, and Energy Restitution. In conjunction with the GeoFill infill, the system will yield low g-Max levels (head safety) yet have vertical deformation (foot stability) and force reduction (lower extremity protection) values in range of high quality natural grass.

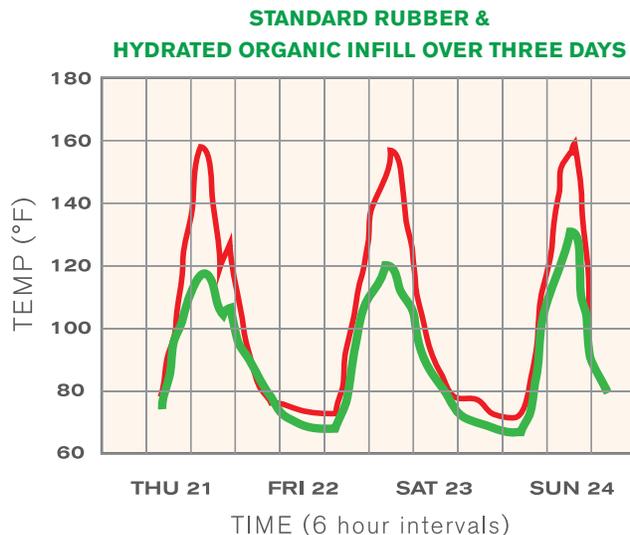
For Geofill systems with organic and sand materials, a shock pad is required. A shock pad provides additional safety and performance benefits, including shock attenuation which can help prevent injuries from tackles, trips, and falls throughout the season.

**WITH GEOFILL'S PROVEN HISTORY, THE SHOCK PAD'S PROVEN HISTORY, AND SHAW SPORTS TURF'S PROVEN HISTORY... THIS CUTTING EDGE TECHNOLOGY SIMPLY IS THE CHOSEN ONE.**



## Cooling Effects of Geofill

- The excellent moisture retention capabilities of Geofill allow the infill system to absorb water which is released when sunlight warms the field. When the infill absorbs sunlight, the temperature starts to increase, but the release of water held in the infill reduces the infill temperature by the mechanism of evaporative cooling. As the sunlight intensity increases, the amount of water evaporating increases, which creates more of the cooling effect.



- When compared to crumb rubber infilled fields, fields with Geofill have been seen to be 40° F cooler than traditional synthetic turf fields.
- Geofill does not absorb energy like other synthetic alternative fields, therefore it is naturally cooler. Other composite or synthetic alternatives cannot provide the cooling effect that Geofill can.



# Hydrating for Optimal Performance

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- Our Geofill system is the only infill system that has the ability to hold up to 7-8 times its weight in moisture. This allows the system to retain moisture, but not become water logged. Once the capacity is met, the remaining water flows through the turf and drainage system.
- By absorbing water, you create a surface much like natural soil allowing for the evaporative cooling of the surface and more natural interaction between player and ground. The organic mix creates a stabilized layer between the turf fibers which replicates the feeling of playing on natural grass.
- The Geofill system uses natural moisture better than any other alternative infill system. Geofill's peak performance is when the material has a moisture level of 30-40%. Outside of these ranges, Geofill can have some playing differences in the field's performance.

## HOW MUCH RAIN (IN INCHES) EQUATES TO AN 80,000 SQ FT. FIELD

|       |           |
|-------|-----------|
| 1/16" | 3,120 gal |
|-------|-----------|

*We Suggest 3200 gal per watering cycle*





# Organic Field Maintenance

*Follow your manufacturer's guidelines.*

**Every synthetic grass field requires maintenance, depending on the intensity of use and the type of system installed.**

- Our Geofill systems require the same amount of maintenance compared to sand and rubber infill systems, but much less compared to natural fields.
- We usually recommend regular brushing/sweeping as normal procedure (approx. every 100 hours of play). Also, using a spring tine rake on a groomer will help de-compact a field which should be done no more than once per year.
- With regards to the equipment, Geofill can be installed and maintained with the same standard machines used for rubber/sand installations.
- To maintain proper infill depths, as with all infilled synthetic turf systems, GeoFill requires a top dressing. Frequency and amount depend on use of the field, regularity of routine maintenance, and other environmental conditions. In most cases, as long as the proper moisture content is kept, top dressing should only be necessary every 2-3 years.
- While this does not happen in most environments, some environments have led to weed growth. The system has been treated with a herbicide (that is naturally washed out of the system) to effectively to kill the weeds. A pre-emergent has also been used to further control weed growth in those areas.



**Geo***fill*<sup>®</sup>

**shaw**<sup>®</sup>  
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