

50°

40°

30°

20°

10°

**FOCUS ON THE TASK,
NOT THE TEMPERATURE**

U.S. Patent No. 7,153,553 B2 And Patent Pending

HC° HYDROCHILL®
EVAPORATIVE COOLING SYSTEM



Whether it's the repetitive grind of practice or the last drive to win the game, athletes feel the heat.....
in more ways than one.

It's no secret that synthetic turf fields can be hot. That kind of heat affects athletes.

With HydroChill
cooling system,
athletes can focus
on the task, not the
temperature.

2016

was the hottest year on record in the U.S.

14^{of the} 15

hottest years on record have occurred since 2000

2014 and 2015 were the

2ND & 3RD

hottest summers on record

More than 58 million people in the U.S. experienced

100°

temperatures where they live in 2016

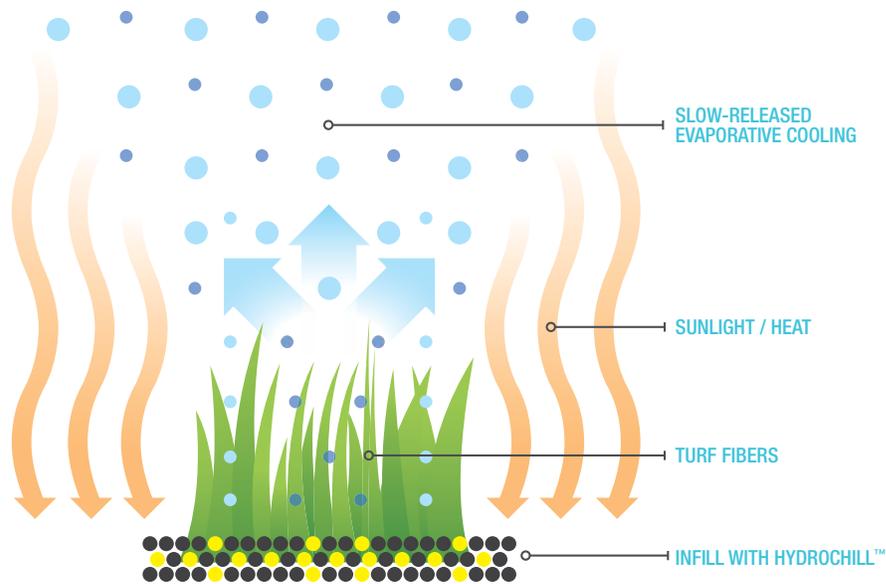
Of the energy absorbed into turf from solar radiation,

90%

is released as heat while only 10% is conducted into the ground

So, how does HydroChill work?

It cools your field like nature
cools your body.



EVAPORATIVE COOLING TECHNOLOGY

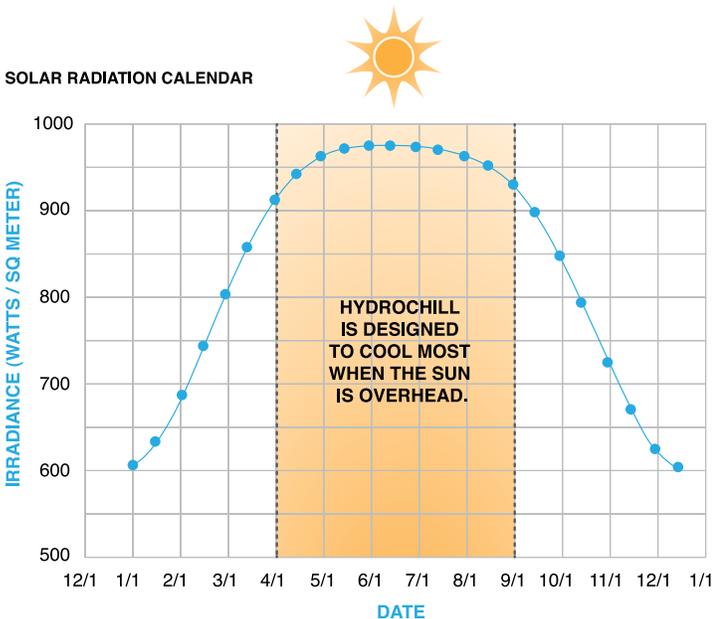
Sweating is a natural means of thermoregulation called evaporative cooling. Evaporation of moisture from the skin's surface has a cooling effect. Similarly, HydroChill has been shown to cool synthetic turf surfaces by working on the same principle. As the turf surface is heated by solar radiation, moisture stored in the HydroChill turf is released. Evaporating moisture removes heat, leaving a cooler more comfortable surface for the players.

WHEN HYDROCHILL IS MOST EFFECTIVE

Ambient temperature outside doesn't necessarily dictate surface temperature. The solar radiation time period, sun's angle, cloud cover, wind and other elements all contribute to the temperature of the surface.

HydroChill provides maximum benefit during the hottest part of the day. During the summer months in the U.S., the sun is positioned overhead causing surfaces to absorb more energy resulting in hotter temperatures. The rotation of the Earth is also responsible for hourly variations in sunlight thus making HydroChill most effective during the hotter part of a clear day when most needed.

SOLAR RADIATION CALENDAR

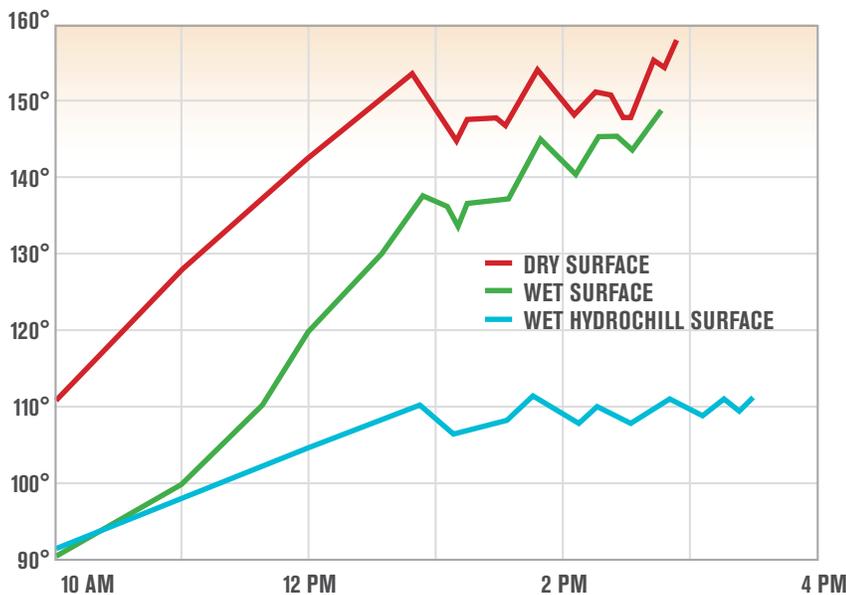


- > HydroChill utilizes moisture to provide a cooling effect. Rainfall, dew or irrigation can help keep the field cool for days, depending on local conditions.
- > HydroChill can be incorporated into most Shaw Sports Turf infilled systems.
- > HydroChill will not affect the performance characteristics of synthetic turf and will not affect the warranty of any Shaw Sports Turf field.
- > HydroChill is UV-resistant.

HydroChill patented technology —developed through years of turf system research. It has been vetted with laboratory testing and, more importantly, outdoor field installations.

Bottom line—the HydroChill system works in actual outdoor settings by providing a cooler playing surface.

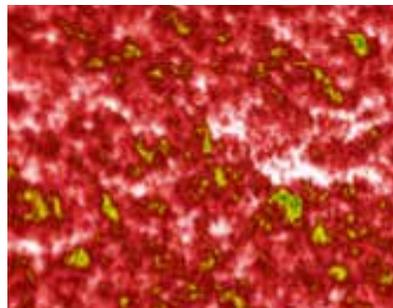
**THERMOCOUPLE TEST READINGS
FROM ACTUAL FULL-SIZED SYNTHETIC TURF FIELD**



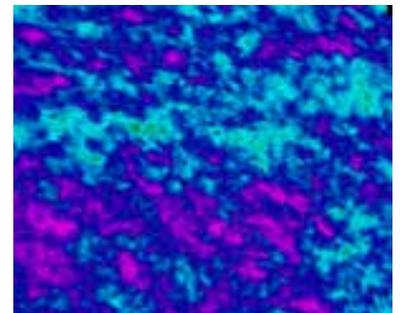
A standard field with a wet surface will cause some cooling, but temperatures can quickly rise and may exceed uncomfortable levels of heat. A HydroChill field has been shown to create a substantial temperature differential in real-world applications. Based on actual lab and outdoor field thermocouple testing, HydroChill has achieved 50° lower surface temperatures compared to a standard synthetic turf system.

**FLIR (FORWARD LOOKING INFRARED) READING:
STANDARD SYNTHETIC SURFACE VS. HYDROCHILL**

Further testing was performed by a FLIR-Certified Thermographer using the most advanced camera imagery and technology. The FLIR camera was calibrated for emissivities of various materials used in the turf system so additional accurate temperature measurements could be obtained.



DRY SURFACE



HYDROCHILL



In 2016 Georgia Southern University chose Shaw Sports Turf to provide the upgraded playing surface for the field at Allen E. Paulson stadium. The field features Shaw Sports Turf's Legion system with incorporated HydroChill technology.

"We chose Shaw because they are a world-class manufacturer based in Georgia and can provide our athletic program with the best playing surface available, said Tom Kleinlein, Director of Athletics at Georgia Southern. "The Legion system with HydroChill gives us the durability, looks and safety that are consistent with our top-notch athletic facilities."

Georgia Southern has a storied football program, having revived the program in 1981. Since then, the Eagles have won 10 Southern Conference titles, and six FCS National Championships. In 2014, the Eagles won the Sun Belt Conference in their first year as an FBS program. In December 2015, the team won the GoDaddy Bowl against Bowling Green.

The program was preparing for its first season under Coach Tyson Summers. The team prepared on the new field, which was completed in mid-April and used in the summer to ready the team for the 2016 season.

Like all summers in Statesboro, it will be hot. Shaw Sports Turf's patented cooling technology allows the players to play and practice in a more comfortable environment.

The cooling technology is applied to a field where components react and form a coating on the infill. The field is watered to activate HydroChill and then energy from sunlight drives out water, removing heat from the surface. The cooling effect of HydroChill after watering can last two to three days. Watering alone can result in some short-term cooling, but a flash-effect means temperatures can rise and quickly exceed uncomfortable levels of heat. HydroChill creates a substantial and sustained temperature difference.

Chuck McClurg, Vice President of Turf Markets at Shaw, played on two national championship teams with the Eagles.

"My years at Georgia Southern were among the best in my life and being a part of the team has afforded me many opportunities," said McClurg. "I am proud that I am able to be a part of providing the team with the finest playing surface in the world and wish them many years of success on their Shaw Sports Turf field. Go Eagles!"

Shaw Sports Turf has installed over 2,000 fields, including game and practice fields for the Baltimore Ravens, Arkansas Razorbacks, Vanderbilt Commodores, and Furman Paladins.





HYDROCHILL®
EVAPORATIVE COOLING SYSTEM