



SMART. EASY. COOL.



HYDROCHILL™

HOME

EVAPORATIVE COOLING SYSTEM

A photograph of a dog lying on a green lawn. The dog is white with brown patches and is wearing a red and white striped shirt. Its mouth is open, showing its teeth. In the background, a person's legs in khaki pants and sandals are visible, also lying on the grass. A teal text box is overlaid on the upper part of the image.

We're proud to deliver and install turf that saves families and businesses time and money—allowing you to focus on the things that matter most. With our advanced HydroChill Home cooling technology we've taken on summer-time heat in a smart and easy way. A simple addition to the turf's infill provides an average cooling range of 30-50 degrees and works naturally when hydrated by irrigation, rainfall and dew! Feet and paws appreciate the difference Southwest Greens delivers.



2012

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

7^{of} the

10

hottest summers on record
have occurred since 2000

2011 and 2012 were the

2ND & 3RD

hottest summers on record

More than
80 million people experience

100°

temperatures where they live in
2012 (that was 10 million more
than the previous year)

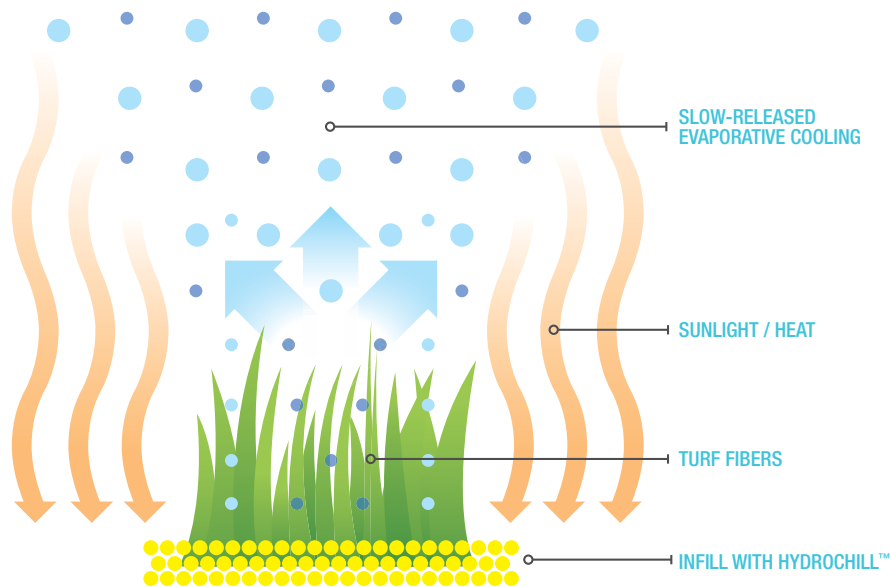
Of the energy absorbed
into turf from solar radiation,

90%

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

So, how does
HydroChill™ Home work?

It cools your lawn like nature
cools your body.



EVAPORATIVE COOLING TECHNOLOGY

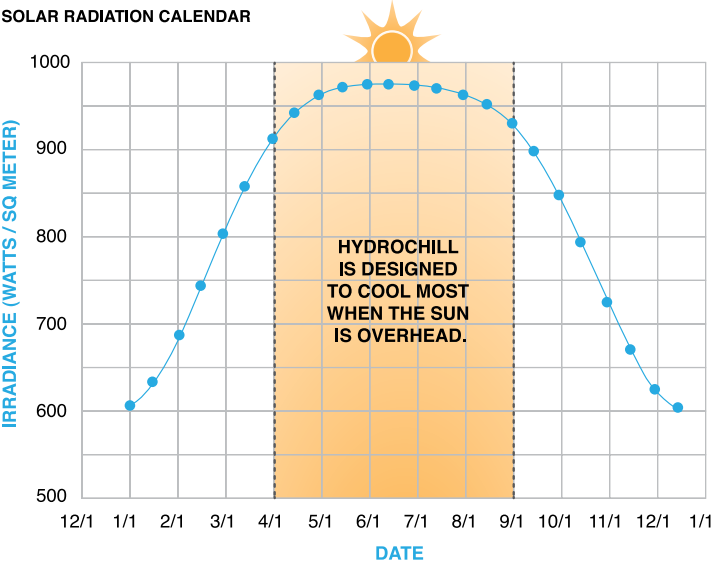
Perspiration is a natural means of thermoregulation called evaporative cooling. Evaporation of moisture from the skin's surface has a cooling effect. Similarly, HydroChill™ has been shown to cool synthetic turf surfaces by working on the same principle. As the turf surface is heated by solar radiation, 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 when the sun is nearest the Earth, as shown in the solar radiation calendar. 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

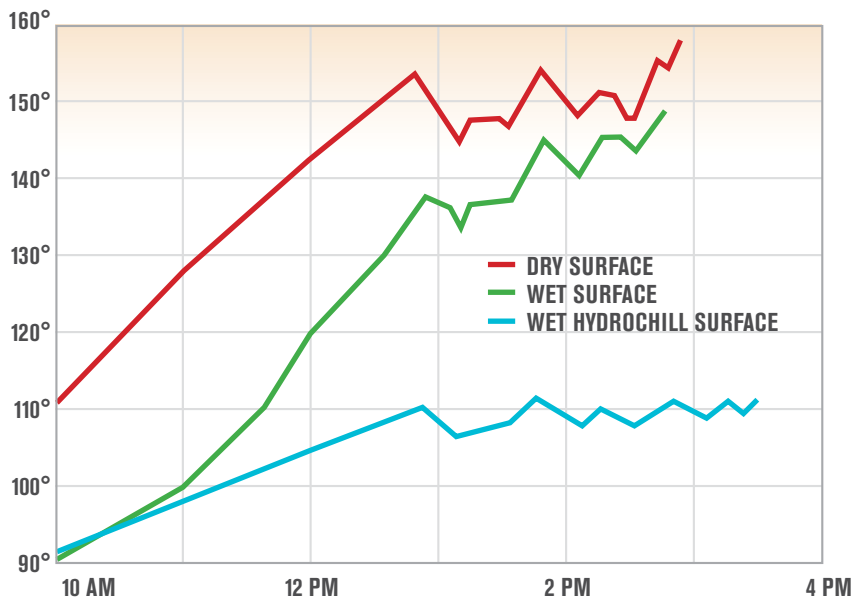


- > HydroChill utilizes moisture to provide a cooling effect. Rainfall, dew and irrigation can help keep your lawn cool for days, depending on local conditions
- > HydroChill can be incorporated into most Southwest Greens' infilled lawn systems
- > HydroChill will not affect the durability or warranty of Southwest Greens' products
- > HydroChill is UV-resistant and should be re-treated every two years for maximum effectiveness

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

Bottom line—the HydroChill system has been shown to work in actual outdoor settings by providing a cooler lawn.

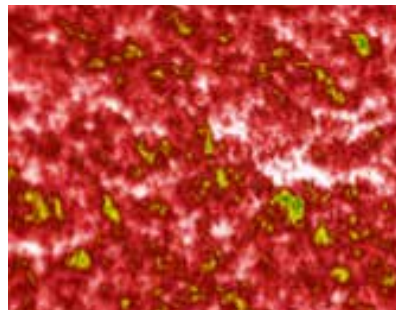
**THERMOCOUPLE TEST READINGS
FROM OUTDOOR SYNTHETIC TURF LAWNS**



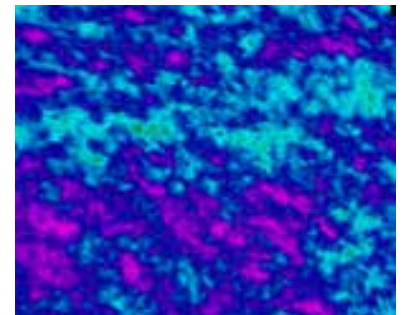
A standard lawn with a wet surface will cause some cooling, but temperatures can quickly rise and may exceed uncomfortable levels of heat. A HydroChill lawn has been shown to create a substantial temperature differential in real-world applications. Based on actual lab and outdoor lawn thermocouple testing, HydroChill has achieved 30°-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

How is HydroChill™ Home applied?

HydroChill comes in two forms: as spray application and as a pre-coated sand infill. Both forms are equally effective. HydroChill naturally holds moisture and can be activated through irrigation systems or a simple water hose. Either way, the effectiveness can last for days as the moisture is released. HydroChill is non-toxic and does not have negative environmental effects. Now you can control surface temperatures for your family and pets.



HC°
HYDROCHILL™
— HOME —
EVAPORATIVE COOLING SYSTEM



SOUTHWEST GREENS®
GOLF & GRASS