



AMORPHOUS HEATWAVE

ENERGY EFFICIENT ELECTRIC FIELD HEATING SYSTEM



THE EVOLUTION IN SPORTS FIELD HEATING

EXCLUSIVE PARTNERSHIP WITH



SPORTS FIELDS INC.
CREATING SPORTS FIELDS OF DISTINCTION™



Introducing the Amorphous HeatWAVE® system — a groundbreaking, all-electric solution designed for sports field heating. Powered by our advanced amorphous metal technology, the HeatWAVE® sets itself apart from all other electric heating systems on the market. Unlike traditional systems, it rapidly delivers heat using a fraction of the energy, outperforming all other electric underground radiant heating options, including conventional hydronic systems as well. The HeatWAVE® gets the job faster and more efficiently!

The system not only addresses immediate heating requirements but also aligns seamlessly with contemporary sustainability priorities as it is the most energy efficient field heating solution in the market.

**EMBRACE THE CUTTING EDGE OF
TECHNOLOGY & EFFICIENCY WITH
THE AMORPHOUS HEATWAVE®**





ADVANTAGES

- **APPLICABLE FOR ALL TYPES OF SPORT FIELDS**
- **GREEN TECHNOLOGY**
- **RAPID HEAT RESPONSE**
- **NO TECHNICAL BUILDING / BOILER ROOM REQUIRED**
- **NO UNDERGROUND GAS OR OIL STORAGE TANKS REQUIRED**
- **MAINTENANCE FREE**
- **NO MECHANICAL PARTS / CIRCULATION PUMPS WHICH NEED TO BE OPERATIONAL DURING THE ENTIRE YEAR**
- **ONLY IN OPERATION WHEN NEEDED**
- **EASILY ZONED**

PATENTED AMORPHOUS METAL TAPE TECHNOLOGY

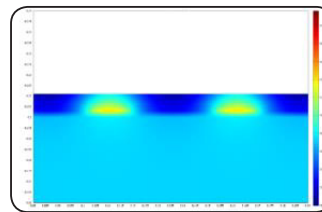


Our amorphous metal heating element is crafted through a distinctive manufacturing process that produces 20-30 micron thin yet ultra-durable metal ribbons. This innovative, lightweight design allows our heating element to achieve ideal heating outputs with a fraction of the energy consumption compared to all other radiant heating sources. Unlike traditional heating methods, such as hydronic tubes or electrical cables, our amorphous metal tape delivers heat far more rapidly and efficiently. By requiring less energy to start producing the desired heat, the HeatWAVE® system offers exceptional energy savings and efficiency for users.

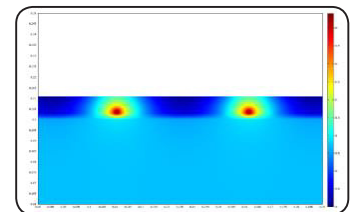
THE AMORPHOUS ADVANTAGE

INSTANT HEAT TRANSFER

Compared to conventional heating cable and hydronic tube based systems, the flat nature of the amorphous ribbons allow for instant heat transfer resulting in 40% less energy consumption.



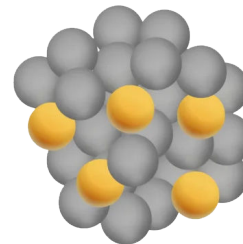
AMORPHOUS
RIBBON



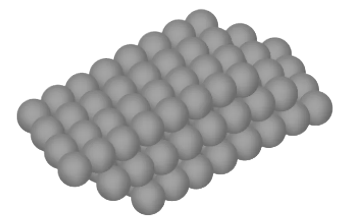
CONVENTIONAL HEATING CABLE
OR HYDRONIC TUBE

INCREASED DURABILITY

Most metals are crystalline in their solid state. Amorphous metal while also being a solid metallic metal but is in a disordered atomic scale structure. This makes it have higher tensile strength, does not wear out, and offers far superior heating performance.



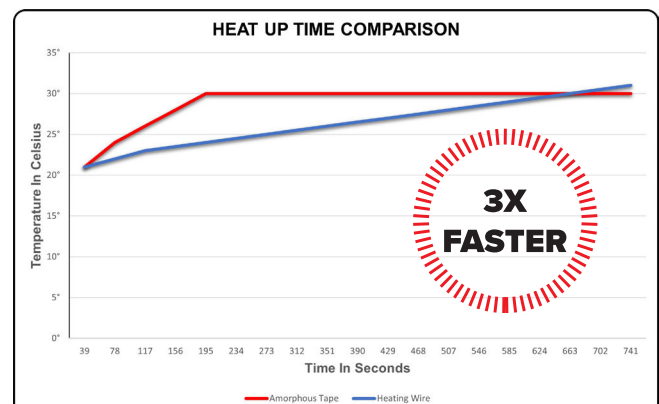
AMORPHOUS
STRUCTURE



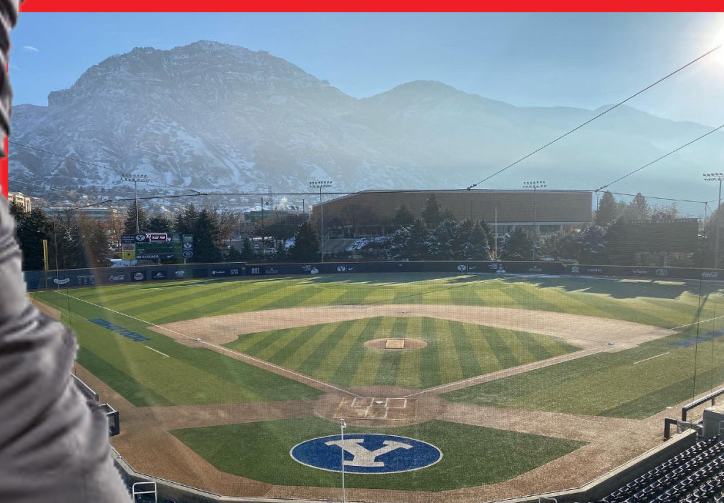
CRYSTALLINE
STRUCTURE

BEST IN CLASS HEATING

The Amorphous HeatWAVE system® offers best-in-class heating compared to all other electric sports field heating systems. In fact, the HeatWAVE system® will heat up 3 times faster due to our patented amorphous metal tape technology and offer a more consistent heat. This allows our heating system to get the job quicker while other systems bring results much later.



**FASTER
RESULTS
USING LESS
ENERGY**

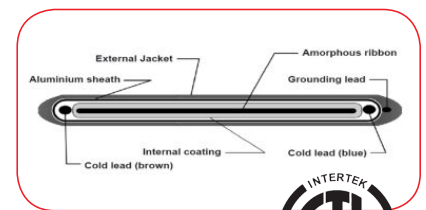
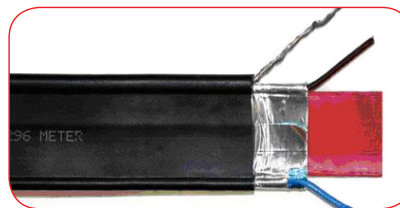




ROBUST, INDUSTRIAL-GRADE CONSTRUCTION



The Amorphous HeatWAVE® is based on a unique design of fully grounded heat-tracing cable made of amorphous metallic tape enclosed in a mechanically robust flexible enclosure. The element is designed to meet IEEE 515.1 standards for underground and outdoor exposed applications and are fully certified and listed by INTERTEK and proudly carry the ETL mark.



THE CHOICE IS SIMPLE



ENVIRONMENTALLY FRIENDLY - There is no direct reliance on the burning of fossil fuels. Therefore, the carbon footprint is significantly reduced compared to hydronic heating with gas boilers.



FASTER HEATING - Powered by our patented amorphous metal technology, the heating system reaches full heating capacity faster than any other heating system in the market. This unique features allows the system to be shut off during events.



SIMPLE OPERATION - The heating system can be tuned on/off with no winterization required. If the field freezes when not in use, there is no tubing to burst. The system is also capable of remote control.



LOWER OPERATING & CAPITAL COSTS - The HeatWAVE® system can run for a much shorter period per season vs. hydronic systems which significantly reduces energy consumption. When comparing the system to other electrical systems, it starts providing heat much faster which also significantly reduces running costs. Installation is faster & less intrusive, reducing labor costs. A reduced need for snow removal equipment also lessens wear and tear on synthetic turfs.

FULLY INTEGRATED SYSTEM

Ideal for user with natural grass & synthetic turf.



NATURAL /
HYBRID GRASS



ARTIFICIAL TURF
WITHOUT SHOCKPAD

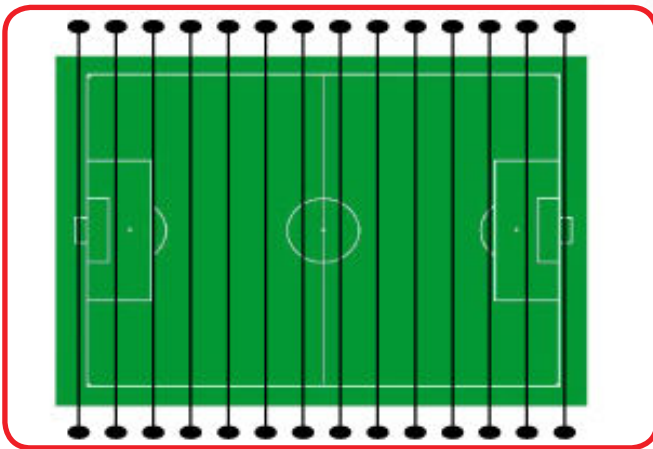
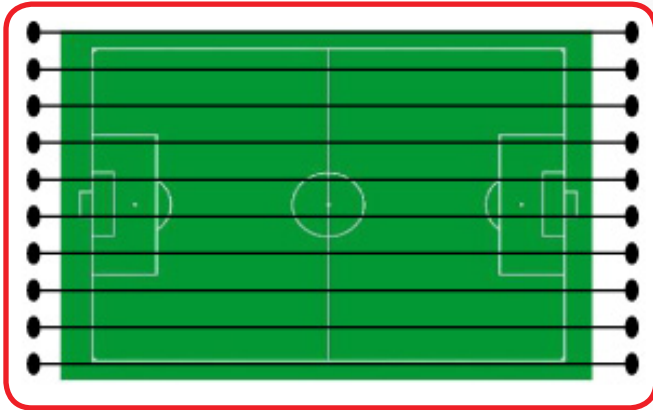


ARTIFICIAL TURF
WITH SHOCKPAD



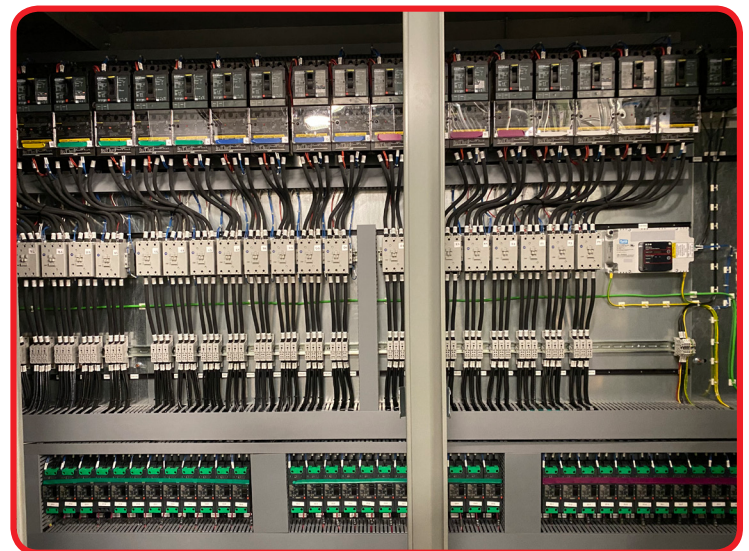
MAXIMUM DESIGN FLEXIBILITY

Can be installed width-wise or length-wise.



COMPLETELY AUTOMATIC SYSTEM

- CUSTOMIZABLE FOR ANY FIELD CONFIGURATION
- VARIABLE TEMPERATURE RANGE
- MINIMAL OPERATIONAL EXPENSES
- CONTROL VIA REMOTE LOCATION





Smarter Heat, Greener Tomorrow

**CONTACT YOUR
SPORTS FIELDS INC. REPRESENTATIVE
TO LEARN MORE**



SPORTS FIELDS INC.
CREATING SPORTS FIELDS OF DISTINCTION™

CONTACT DETAILS

3760 Sixes Road
Suite 126-331
Canton, GA 30114
470-505-3044
fieldheating@fields-inc.com
FIELDS-inc.com

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