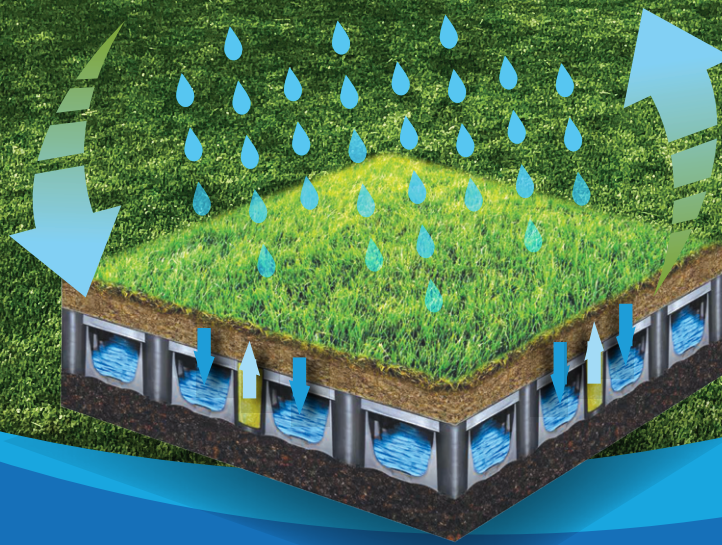


NEW FROM



**A PERFORMANCE
SHOCK PAD...
AND SO MUCH MORE**



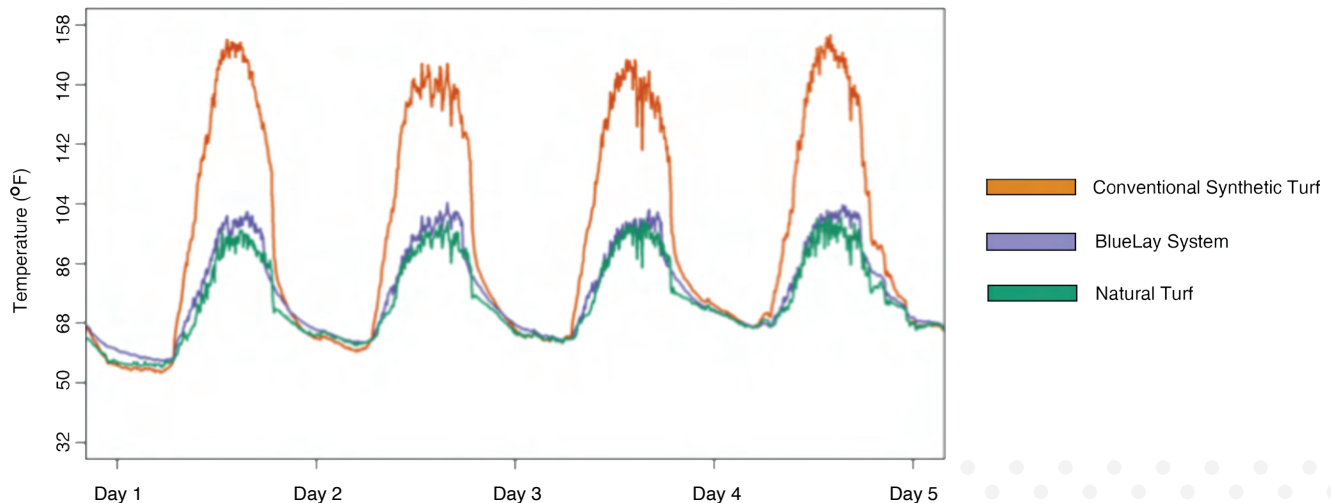
- ◇ AN INDUSTRY COMPLIANT SHOCK PAD FOR SAFETY AND SPORTS PERFORMANCE
- ◇ A COOLING MEDIUM THAT MIMICS NATURAL CYCLES AND ELIMINATES DANGEROUSLY HOT FIELDS
- ◇ A STORMWATER MANAGEMENT TOOL THAT SUPPORTS WATER CONSERVATION



blueLay

COOLING YOUR TURF IS OUR FIELD OF EXPERTISE

BlueLay mimics the cooling effect of natural turf fields



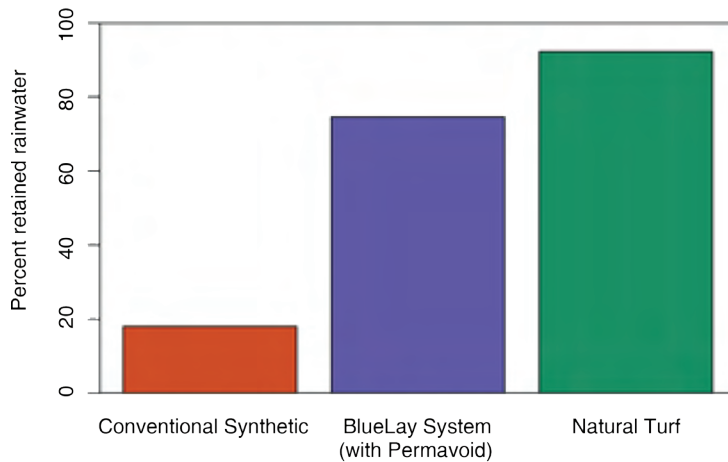
Surface temperatures of three fields measured at a project located in Amsterdam

BlueLay is more than just a shock pad. It is a water retention and drainage layer designed for use directly below synthetic turf. Its revolutionary design provides sport technical performance, stormwater management functions and, most importantly, synthetic turf cooling.

Stone wool made from basalt, a naturally sourced and inexhaustible raw material is sandwiched between two membrane layers. The proprietary production method creates a heavy load-bearing system with precisely the right safety and playing characteristics for synthetic turf in all weather conditions. And the natural wicking and water retention properties make cooling water available to the surface.



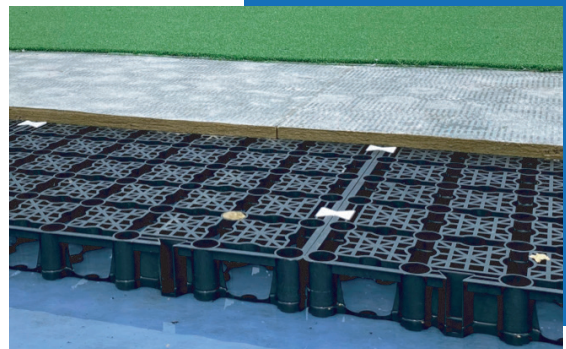
BlueLay retains more rainwater



Percentage of retained rainwater measured in three fields in Amsterdam

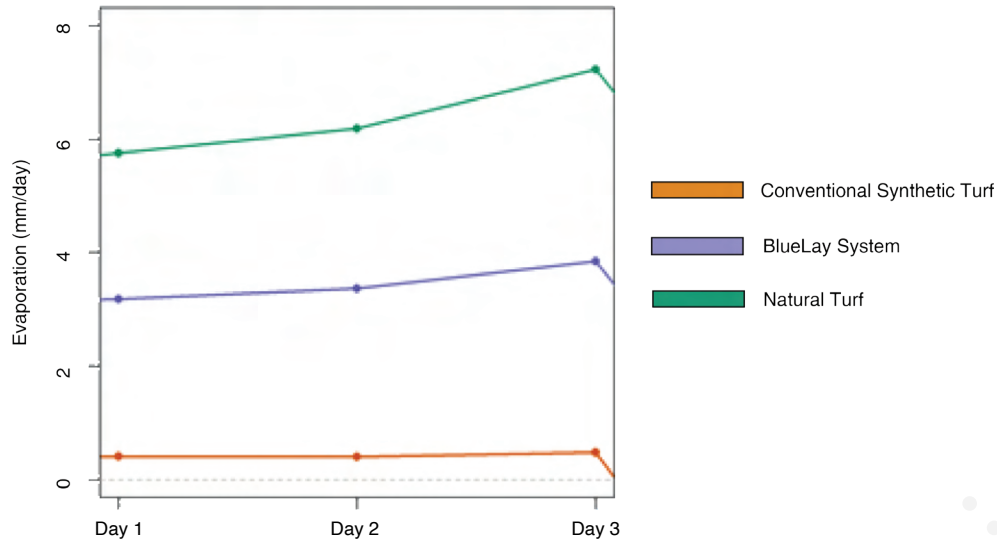
Typical turf system performance*	Infill: Organic / sand	
Gmax	98	ASTM F355-16
Force Reduction	70 %	ASTM F3189-17
Vertical Deformation	9.9 mm	ASTM F3189-17
Critical Fall Height	1.46 m	ASTM 3146-18
Temperature Management	Dry- Category 1 Wet- Category 1	FIFA Test Method 14

- ❖ Captures, stores and evaporates rainwater like natural grass
- ❖ No use of energy or drinking water
- ❖ Up to 47.3 F cooler than standard synthetic turf
- ❖ Approximately 50% water saving compared to natural grass
- ❖ Proven sports performance characteristics
- ❖ Safe, cyclic and 100% recyclable.
- ❖ Dimensionally stable, highly permeable, fire-resistant, safe



With 80% open volume, BlueLay will store 24mm (1 in) of water. When fully wetted, the natural capillary action of stone wool can provide an average of 6-8 days cooling performance without any rain! Add a sub-base of Permavoid for an additional 75mm (3 in) of water storage and cool your field even in the hottest, driest climate.

BlueLay uses less water



Evaporation measured in three fields located in Amsterdam

The natural water content of real grass is what gives it excellent sports and safety characteristics. BlueLay has been developed to function in hydraulic harmony with synthetic turf infills to retain water and mimic the physical performance properties and cooling effects of natural grass fields.

In field testing, lysimetric measurement shows that BlueLay uses approximately half of the water required by natural grass. Yet it produces surface temperatures that are almost identical.

* Results shown are from an independent research project running 2020-2021 and are subject to change. Please visit www.projectcitysports.com for the latest results of this ongoing independent R&D project.



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10/25/2022