



Dura-Field® Synthetic Turf now with Kool-Reflect Blades

Our Dura-Field® Synthetic Turf with the newly developed Kool-Reflect Synthetic Grass Blades now being manufactured with an exclusive yarn fiber process which ultimately **reduces radiant heat by 15 %** (at least 20 degrees) over existing Synthetic Turf surfaces (**SRI value of 33**).

Thermal comfort is a critical benefit to the Synthetic Turf in support of athletes and their ability to maintain peak performance while at practice or a game. Lower temperatures on the field results in better focus, more time for play, and lessens the likelihood of injury and burns.

The environmental advantage is that the land surface temperature is lower (by 15%) than currently available artificial turf options. Our awareness of the heat attributes of the traditional Synthetic Surfaces was pivotal in the development of Kool-Reflect Synthetic Grass Blades Technology which will affect all synthetic grass manufacturing in the future.

Heat Island Effect, what is it? Cities and urban areas are 3 to 8 °F warmer due to the "heat island effect". (From our Factory)

The heat island effect is caused mainly by construction and pavement, which is present especially in urban regions. The color and composition of the materials utilized affects the amount of absorbed solar radiation and therefore the surface temperature. This temperature rise can be estimated using a measure called the solar reflective index (SRI). The solar reflectance index (SRI) is used by the U.S. Green Building Council and others to determine how hot a surface will get when exposed to full sun. The SRI varies from 0 to 100 and is determined using ASTM E1980, Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces." *Materials with the highest SRI are the coolest.*

**SYNTHETIC
LAWNS**
O F F L O R I D A

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