



98° SURROUNDING AIR TEMPERATURE



138° "HEAD LEVEL" AIR TEMPERATURE

178° SYNTHETIC TURF TEMPERATURE

Measurements taken at University of Missouri (°F)

Synthetic turf surface temperatures reach **up to 102°F higher** than surrounding air on warm sunny days

Highest recorded measurement is 200°F on a 98° day at BYU
Sources: www.health.ny.gov, plantscience.psu.edu, www.fieldturf.com

MELTED CLEATS



A Broadwell dome makes your synthetic turf field safer, more usable during summer months, and longer lasting due to protection from UV degradation.



Research shows synthetic fibers degrade from UV radiation, so much so that the CDC cited it as a primary cause for their **Health Alert** on guidelines to "reduce the potential for children's exposure to dust generated from synthetic turf degradation".

(<http://ehp.niehs.nih.gov/1002239/>)

University of Arkansas Turf Science

"Artificial fields cannot be played on all the time due to temperature build-up on warm-sunny days... (This) could increase the incidence of heat stroke, muscle cramping, and overall athlete fatigue."

HOTTER THAN ASPHALT



L.B. McCarthy, Clemson University