

**GEO** COOL™  
Cooling Agent



**GEO**   
SURFACES  
A TENCATE COMPANY 





## HIGH-PERFORMANCE INFILL WITH ULTIMATE TEMPERATURE REDUCTION

GeoCool™ is an innovative infill alternative that provides superior athletic performance while reducing surface temperature through **slow evaporative cooling**. GeoCool can replace SBR rubber granules and silica sand infills while eliminating problems associated with other alternatives—decay, flotation, dust, migration (due to wind, rainfall and foot traffic) and the need for constant watering of the turf to maintain efficacy.

GeoCool is an inorganic oolitic (“egg-shaped”) calcium carbonite mineral (“aragonite”) created—and constantly renewed—in shallow sea beds. It is 100% recyclable, neutralizes odors, and is virtually dust-free. It is non-toxic—in fact, calcium carbonite has been ingested by humans for eons.



GeoCool has a specific gravity similar to sports field sand which means it will not float in heavy rain events and will not blow away in dry, windy environments.

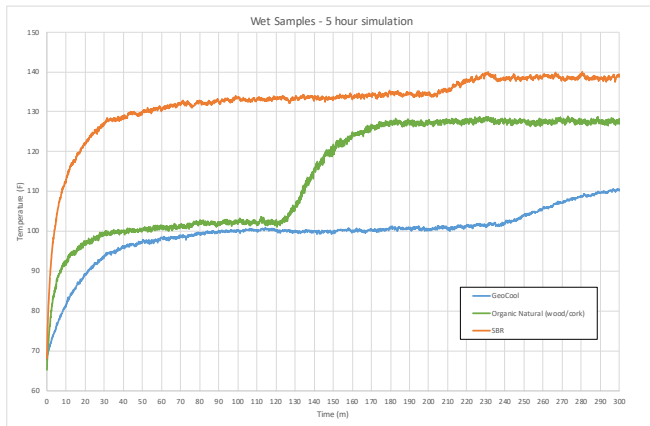
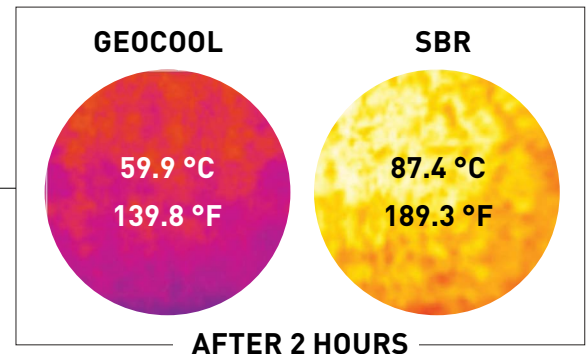
### KEY ATTRIBUTES OF GEOCOOL:

- Surface temperature reduction through slow water evaporation
- Resistant to decay, rot and mildew
- PVC and vinyl free
- Contains no silica
- Lead content: < 0.25 ppm
- Permeability: 220+ in/hour
- Low dust emission: 114 micrograms/meter<sup>3</sup>
- Prop 65 compliant

## SUPERIOR TEMPERATURE REDUCTION

After two hours of exposure to a heat source, turf infilled with GeoCool was measured to be 50° F COOLER than turf infilled with SBR granules.

GeoCool has a unique crystalline structure that aids in natural heat reduction: It is a mineral with a **high surface area** and thus **high micro-porosity**. As a consequence, GeoCool is very **hydrophilic** (it loves water)—it absorbs and captures a high amount of moisture from the atmosphere or when watered. And as the moisture in GeoCool granules evaporates, the playing surface and athletes on it cool significantly.



## HIGH-PERFORMANCE INFILL

GeoCool is a high-performance infill solution and tests well against FIFA standards.

- FIFA Quality Pro range
  - Ball Rebound
  - Shock Absorption
  - Deformation

GeoCool has very similar energy restitution to natural grass, which results in better ball handling and behavior for players.

## SUSTAINABLE SOLUTION

GeoCool is THE environmentally responsible alternative.

GeoCool is biogenic (produced by living organisms) and as it is generated, carbon dioxide in the atmosphere is reduced. GeoCool is truly sustainable as the material is constantly being replenished.

GeoCool is dredged, not mined – unlike other alternative infills like silica and zeolite. This means a reduced carbon footprint as dredging uses less fuel-intensive methods.

GeoCool does not contribute to the microplastic issue affecting our oceans. It is not synthetic and can be fully recycled or repurposed.



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