



## **The Sportcrete System for Golf Bunkers**

The Sportcrete system has been developed through the last 15 years.

Essentially, Sportcrete is a method of polymer bonding, or binding, loose stone aggregate or soil whilst retaining the inherent porosity within the existing surface.

Sportcrete is a solution mixed from Sodium Silicate with additional hardening agents and surfactant to enable movement and control.

Silicon solutions have been widely used in ground stabilization for many years. The binding of soil, particularly in sandy soil areas, has been beneficial in creating solid work areas to enable structures to be erected.

Sportcrete has developed the system and technology to treat soil and rock specifically to provide strength and stability, whilst retaining the porosity of the structure for use under surfaces for Golf and other sports-related activity.

The inherent characteristics of the soil must be considered. Sportcrete is able to provide a detailed analysis and report on any area as required.

Sportcrete is applied directly to the compacted rock surface. The Sportcrete solution is mixed adjacent to the site and transferred to the surface through the pump and delivery hoses. Depending on site conditions and compaction, Sportcrete is applied at a rate of approximately 1.5 - 2 liters per square yard.

We are able to provide detailed site-specific design calculations and recommendations as necessary.

All pumps and equipment for installing Sportcrete are provided by Sportcrete.

The base is hard after 10-15 minutes and can be walked on without leaving any marks or ruts. After 24 hours, the surface is set completely and equipment can be driven on the surface without damaging or marking the surface. The final surface installation can be undertaken immediately or the base can be left until the finished surface is scheduled. No deterioration of the base will occur.

The surface retains its porosity and in some cases will improve the porosity as the fine materials are bound and will not migrate through the base layers.

(continued on next page)

# **SPORTCRETE**

Sportcrete will create a hard, porous surface for use as a bunker base. The inherent porosity will reduce surface run and erosion of the sand surface. The rain water will percolate through the surface and drain below the base level. The base remains solid and restricts stone migration to the bunker surface.

Sportcrete will create the best quality bunkers with durability and playability beyond anything previously seen or used in golf course construction.

Sportcrete is a cost-effective method of creating solid bases for sports field construction.

## **Sportcrete is unique and exclusive.**

We operate throughout the United States and Europe and are available to meet with you as necessary to further discuss this system. If you require further detail or clarification, please contact us directly.

Our website can be accessed at [www.sportcrete.com](http://www.sportcrete.com).

Yours sincerely,

David Tittershill, Director,  
Sportcrete

## **Europe, Asia, Africa, & Australia**

Sportcrete  
High Holborn Road,  
Codnor Gate Industrial Estate,  
Ripley, Derbyshire.  
DE5 3NW.  
United Kingdom.