



CapillaryConcrete

Dramatically reduce your bunker maintenance costs with the
Capillary Concrete® Engineered Hydrating Bunker Base



CapillaryConcrete

Capillary Concrete is very durable, environmentally safe and easy to install. It has been installed at many different courses on five different continents, with excellent results in all climates. It drains perfectly and maintains the bunker sand at an ideal moisture level, all at a very reasonable price. This simply solves all bunker problems!

Capillary Concrete can reduce your golf course maintenance costs by up to 15%!

After years of working in bunker construction and management, Martin Sternberg, CGCS came up with the unique Capillary Concrete formula. After having installed Capillary Concrete on his own golf course, annual maintenance costs have been reduced by 15% thanks to the effectiveness and durability of the material.



MARTIN STERNBERG

INVENTOR & DEVELOPER
OF CAPILLARY CONCRETE™

Certified Golf Course Superintendent with the
Golf Course Superintendents Association of
America

- After your Capillary Concrete installation is complete, you will receive a certificate from us naming your project and assigning a project number, which is then registered with the insurance company under our Master Policy.
- The initial term is for five (5) years, with renewal coverage offered at the end of the term.
- The coverage is built into the product being installed, so there are no additional costs or surprises.
- Details of the Performance Guarantee are addressed in the sales agreement.
- Installers are an integral part of this offering to make sure it's done right the first time and performs as promised. Installers receive a procedures checklist that must be followed to ensure the installation meets standards for coverage.

Your reputation depends on the decisions you make,
and our reputation depends on you.



The Technology.

Capillary Concrete is the only sports base that moves water in two directions and is strong enough to form an edge.

This is the secret behind the Capillary Concrete unique ability to keep bunkers in great shape, regardless of weather conditions. Capillary Concrete will virtually eliminate wash-outs, soil contamination, plugged ball lies and other bunker maintenance problems.

Freely drain gravitational water from sand

Capillary Concrete is porous and will freely drain gravitational water on every inch of the bunker floor. Rain events are quickly drained through Capillary Concrete at hundreds of inches per hour.

Keep capillary moisture longer on BUNKER FACES to preserve ideal playing conditions

Once the free water has drained from the sand, only capillary moisture is left. The trick is to keep this capillary moisture on the sand faces for as long

as possible, and this is achieved with Capillary Concrete which can move moisture back to the sand by utilizing special micropores and capillary action. The Patented Capillary Concrete system will help store and restore moisture to the sand faces as it evapotranspires in dry conditions.

Patented subsurface irrigation system on steep faces

To resolve even the most challenging bunker faces, the Patented Capillary Concrete system utilizes a revolutionary technique of subsurface drip irrigation. Now turf managers can achieve total moisture control of their bunkers and have the ability to keep almost vertical bunker faces covered in sand and firm, while avoiding wash-outs and plugged golf balls, all without having to manually apply water from the top.



Moisture applied through Capillary Concrete on steep faces in dry conditions. Photo taken 10 minutes after start cycle.

AVONDALE GOLF CLUB
SYDNEY, AUSTRALIA

The above photograph shows the result of moisture being fed to the Capillary Concrete layer and how it has started to moisturize the steep bunker face. The Capillary Concrete system utilizes Capillary Action to moisturize the bunker

sand from below. This is done through a special technology with polymers that create microscopic connections in the aggregate and actual binding agent of the Capillary Concrete.

Why is capillary moisture so important to maintain?

As soon as the sand on steep bunker faces starts to dry out, the risk of plugged ball lies and wash-outs increase significantly. Dry sand will not stay compacted and transport water as well as a sand which has a slight amount of capillary moisture. Playing characteristics of the sand will diminish as the sand dries out.

Capillary Connection - the most important technical principal in bunker lining selection.

Capillary Concrete - The only bunker liner strong enough to form an edge that really works.

Optional Capillary Bunker Edge.



Principal drawing of Capillary Concrete system with optional Capillary Bunker Edge.



By placing a strip of permanent grass on the inside of the edge, grass encroachment is inhibited and maintenance is simplified.



The result is a beautiful edge, which is permanent and maintenance friendly.

Revolutionary advantages, reasonable costs and installation assistance

- Capillary Concrete revolutionizes bunker liner technology. No other product can offer the level of customization that is possible with the Capillary Concrete system.
- No matter how Capillary Concrete is installed, we will be there for you. We will make a site visit to the course and teach the contractor or the maintenance staff how to install Capillary Concrete.
- Capillary Concrete reduces maintenance and Saves Money!
- Easy to install: Simply place the ready mix Capillary Concrete at a uniform thickness of 50mm (2 inches).

- Provides Superior Drainage: The open architecture of Capillary Concrete provides maximum drainage and water flow to minimize washouts, even on the steepest of bunker faces.
- No contamination of sand from sub-grade: The 50mm (2 inches) layer of Capillary Concrete prevents sub-grade migration to help keep bunker sand clean.
- Capillary Concrete is unaffected by frozen ground conditions as well as extremely hot and humid climates. Having been installed in various countries with different climates, it has proved to be strong and durable. All over the world, Capillary Concrete is being installed to improve bunker conditions and reduce maintenance headaches for golf course crews.

Testimonials



"As a staff, we needed to find a way to retain moisture in the faces of the bunkers so golf shots would hit and release to the bottoms of the bunker."

TYLER ANDERSEN
ATLANTA ATHLETIC CLUB,
ATLANTA GA, USA



"We have recently made the huge decision to renovate all the bunkers at Avondale Golf Club, utilising Capillary Concrete as the primary bunker liner and the patent pending drip line irrigation technique on the steeper faces. We are extremely impressed with the effectiveness of the product."

DAVID WARWICK
SUPERINTENDENT
AVONDALE GOLF CLUB,
NSW, AUSTRALIA

Our Process.



Clean-out Bunker



Verify Drainage



Spread Capillary Concrete at 2 inches (50mm) uniform thickness



Optional forming of Capillary Bunker Edge



Allow to cure for 6 hours



Optional drip-line irrigation installation on steep, dry faces. Drip-line irrigation is a US Patent a No. 13/822,799



Optional installation of Capillary Bunker Edge



Install sand and get back to play

The Performance Guarantee.



CAPILLARY CONCRETE CERTIFIED & INSURED BUNKER INSTALLATION PROGRAM

Capillary Concrete and certain underwriters at Lloyds of London have created an unprecedented Insured Financial Guarantee Program for bunker installation. The Capillary Concrete Performance Guarantee provides ultimate peace-of-mind and security when purchasing Capillary Concrete patented technology for bunker construction. (Patent no US 9,095,763 B2)

Capillary Concrete technology has been successfully installed in the golf market since 2010 with an impeccable track record. Our technology has proven itself on golf courses across five continents, facing all forms of weather and abuse.

As we expand into all world golf markets, we are now able to offer this solution because of the exceptional strength and performance of our system. We know our customers' reputations depend on the performance of our products. This is more than a simple Limited Product Warranty; this is and a completely risk-free solution, in writing.

The Capillary Concrete Performance Guarantee is insured by certain underwriters at Lloyds of London



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