



## CASE STUDIES

Thousands of bunkers around the world, including many of golf's top 100 courses, have successfully been renovated with Capillary Bunkers. On top of drastically improving the playability of bunkers, our clients experience significant maintenance savings and +35% ROIs.

# BRUNTSFIELD LINKS

## Background

Founded in 1761, the Bruntsfield Links Golfing Society is the fourth oldest in the world and one of Scotland's most prestigious clubs located only 3 miles from Edinburgh. The mature parkland style course was originally designed by Willie Park Jnr with later modifications by world renowned architects Dr Alister MacKenzie and James Braid. After heavy rain events, bunkers would wash down the sand along with soil and stones, and it would take most of the day to get the bunkers back into play. Starting in 2017 the club decided to take on a renovation with several alterations and bunker renovation and this was managed and designed by Tom Mackenzie of Mackenzie & Ebert.

## Stats

**Club** - Bruntsfield Links

**Location** - Edinburgh, Scotland

**Representatives** - Neil Hogg, Course Manager

**Capillary Bunkers Installation** - Capillary Bunkers

Installed: 2017/2018



## Approach

The club considered several bunker liners and found that Capillary Bunkers suited their needs best due to its superior durability and with the extensive 10 Year Performance Guarantee, while also being able to install the product with their own staff. Looking back at the process, there were no issues, the installation was easy and simple, and the staff at Bruntsfield enjoyed it.

## Result Highlights

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51%

*Return on Investment*



1,900

*Man hours saved per year*



2 years

*Payback time on a product  
that last for decades*



£30,610

*Saved per year, including man hours  
saved & sand replacement costs*

## Results – Neil Hogg, Course Manager

Neil Hogg states that since the installation, they have seen a massive improvement in the quality and consistency of the bunkers and the feedback from members and visitors alike support this. **“Now when we have Capillary Bunkers, even during extreme rain falls there are no wash outs or contamination which allows us to get the course back in play much quicker”**. He also states that “during high season, the time raking and maintaining bunkers has reduced over 50% and we save around 300 man hours per year only from not having to do repair work after heavy rainfalls”. When asked what life would be like without Capillary Bunkers installed, Neil Hogg simply stated “less sleep at night”.



**Capillary**Bunkers

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# DESERT MOUNTAIN GOLF CLUB

## Background

Desert Mountain offers the world's largest collection of private, Jack Nicklaus Signature Golf Courses, and one distinct par 54 championship course, No. 7 at Desert Mountain, one of only two such rated courses in the country. Desert Mountain defines golf like no other. Nowhere can you find a collection of courses that will keep players uniquely challenged in every round. The club saw a **need to enhance both the playability and consistency** of their bunkers on all their courses, but also to reduce maintenance costs in terms of tilling, raking and repairing damages after heavy rain events.



**Club** - Desert Mountain Golf Club

**Location** - Scottsdale, Arizona

**Representatives** - Shawn Emerson & Kenton Brunson

**Capillary Bunkers Installation** - Four out of seven courses installed between 2017 and 2019 (Apache, Renegade, Chiricahua and No. 7)



## Approach

After researching different options for bunker construction, the club quickly decided to go with the market leader. Capillary Bunkers are currently installed on four of the seven unique courses with more to come. Kenton Brunson, Superintendent of Golf Course Operations, expresses how **“Capillary Bunkers is absolutely essential as it has drastically and positively impacted our operation”**. He further expresses how **“shovels used to be a part of our daily bunker maintenance, and it isn't anymore”**.

## Result Highlights

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38%

*Return on Investment*



2,300

*Man hours saved per year*



2.5 years

*Payback time on a product that last for decades*



\$44,000

*Saved per year, including man hours saved & sand replacement costs*

## Results – Expressed by Shawn Emerson, Director of Agronomy

After installing Capillary Bunkers, **we saw overnight savings in labor costs**. We used to till our bunkers five times per week and now we only do it once a week on the courses with Capillary Bunkers installed, and instead of raking all bunkers, our staff can go out and spot rake for a few hours. After heavy rain storms, **we spend 5 rather than 50 hours on repairing our bunkers**, and this has a significant effect on our team morale. We used to receive more bunker complaints than the greens, however, after the installation of Capillary Bunkers, the complaints have disappeared and so has my headache. Members now ask why No. 7, Renegade, Apache & Chiricahua are able to open faster than any other courses. **We have not had one single member say that our bunkers are too soft.**



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# HORSESHOE BAY RESORT

## Background

Horseshoe Bay Resort is home to three award-winning golf courses (Slick Rock, Apple Rock, Ram Rock) all designed by Robert Trent Jones, Sr., as well as a Jack Nicklaus Signature course (Summit Rock) which was named "Best New Course in America" by Golf Digest, offering its members the ultimate golfing experience. Horseshoe Bay Resort was named as one of "America's Best Golf Resorts" by Golf Magazine and is featured annually in the "50 Best Courses in Texas". Horseshoe Bay Resort is the consummate Texas golf destination.



HORSESHOE BAY RESORT  
TEXAS HILL COUNTRY

**Club** - Horseshoe Bay Resort

**Location** - Horseshoe Bay, Texas

**Representatives** - Rey Gomez

**Capillary Bunkers Installation** - Two out of Four Courses installed with Capillary Bunkers, Apple Rock and Summit Rock from 2018. The additional courses will be installed in the future.



## Approach

After having a fabric liner installed the Club realized that its deterioration made for a lengthy process to repair bunkers after rain events, and therefore decided to install Capillary Bunkers after researching different solutions. **"Our Capillary Bunkers hold the sand in place so that we do not have to spend hundreds of man hours moving sand in bunkers. This has allowed for our labor to be focused on other projects," says Rey Gomez, Superintendent.** "The fact that we are not having to constantly repair the fabric in the bunkers and the amount of material and man hours the Club has seen an instant reduction of labor costs by 75%.

## Result Highlights

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48%

*Return on Investment*



2,000

*Man hours saved per year*



2.1 years

*Payback time on a product that last for decades*



\$56,000

*Saved per year, including man hours saved & sand replacement costs*

## Results – Expressed by Rey Gomez

The product was very easy to install and was able to be shaped perfectly within our bunkers. The entire process was much easier than expected. **If I only had one thing to say about Capillary Bunkers, it would be just in labor savings alone IT MAKES SENSE.**

I am also very impressed by how well Capillary Bunkers drain after a large rain event. It has a vacuum effect and drains very quickly. Our team moral has improved knowing that they won't have to shovel or push sand around after a large rain event. Most importantly, our Members enjoy the consistency of the bunkers as they notice a difference in the playability and consistency of sand depths. **When we renovate the other courses they will include Capillary Bunkers because of our fantastic results we have experienced.**



**Capillary**Bunkers

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