

# Project Case Study

## Project Poly-Tech Bunker Solutions

Regency Park  
Golf Club



## Project Summary

Substrate

Soil Base

Surface Preparation

Scarifying Fork

System

PolyStone 40

## Project Description

Stabilising golf bunkers to minimise sand contamination is an important procedure to ensure longevity and playability. City of Port Adelaide Enfield had serious issues with a bunker on the 9th whereby the facings towards the green were releasing soil contaminants in to the sand after heavy downpours changing the colour, aesthetics and playability of the bunker. They needed a long term solution that reduced ongoing bunker maintenance.

Polystone pour-on resin was used to bind sand and soil particles in the bunker cavity to stop contamination of the top layer of sand, eliminate erosion, stabilise bunker faces and enhance the effectiveness of the bunker drainage system.

Polystone permanently binds and stabilises the sand leaving a strong base for your top layer of bunker sand. As an inert, cured product it will stay strong and not deteriorate over time.

The system is safe for the environment and will not contaminate surrounding plant life or affect the ph values of the local environment.

Our method consisted of the following 7 steps:

1. Remove old sand and loose soil
2. Cut and Shape Bunker as required
3. Key in to soil using scarifier hand tool
4. Apply a 40mm lightly compacted sand layer to isolated problem areas away from drains
5. Through low pressure water pump and hose apply Polystone at a rate of 1KG per 0.6 Sqm
6. Leave overnight to cure
7. Apply top sand

Effective bunker stabilisation systems relies on exacting application. If not done correctly problems can occur with non adherence to the substrate and cracking leading to breakage.

Poly-Tech Industrial Services understands bunker maintenance challenges. Using our experience with binders, we will ensure only the correct products are used in each environment offering piece of mind and unbeatable protection.

The concrete protection & restoration specialists  
South Australia, Tasmania, Victoria & Northern Territory