

# The Palm Jumeirah Dubai – UAE Cityscape Dubai

We have gained very good results by using Zeoplant and would like to confirm the following improvements: Zeoplant reduces the infiltration speed of the irrigation water in sandy soils and therefore reduces the consumption of irrigation water drastically. We can confirm a reduction of irrigation water by more than 50% and we experienced that the soil where Zeoplant was mixed was still containing enough moisture.

We also realized that young landscaping plants established better and faster with the usage of Zeoplant by having a good nutrient supply. It was easy for our people on site to apply Zeoplant and didn't cause any extra additional mixing procedure.

Due to the above we highly recommend Zeoplant as soil additive for landscaping projects in all Gulf Areas where the sandy soil cannot hold water and do not help any new plant establishment.

Mounjid Salameh Chief Operating Officer, Cityscape Dubai





# Al Rayyan Municipality – QATAR

Zeoplant carried out a joint trial with Al Rayyan Municipality in Qatar from 20th May 2010 over the hot summer period which turned out to be the hottest summer in Qatar for the last 30 years.

This project was a strong evidence to Rayyan Municipality that Zeoplant reduces the irrigation water demand by 50–64% for their projects where Zeoplant will be integral part of their project specifications.

Jamal Matar Al Nuaimi Engineer, Ministry of Municipality & Urban Planning,







#### Durrat Al Bahrain - Bahrain

Zeoplant was chosen by Rabya because it had been successfully implemented at similar projects in the UAE, mainly Palm Jumeirah & many other prestigious projects, and has been recommended by leading consultants and contractors. Zeoplant was easy to apply and did not require any mixing with sweet sand before application unlike other products.

The consumption of irrigation water was reduced by approximately 50-60% during the growing and planting schedule. Due the high nutrient content of the product we also realized a healthier and faster growth and establishment of the plants.

Zeoplant has fully met our expectations and we would recommend it for further projects in the area.

Faris Jabrar Area Manager, RABYA Trading & Agriculture Company

Durrat Al Bahrain **es la mayor isla artificial en Bahrain** The largest artificial island in Bahrain







#### Oman Botanic Garden

This is to certify that we have used the product Zeoplant at the Oman Botanic Garden in Muscat Oman. We tested the product mainly on our native Omani trees.

The product was administered during the Omani summer of 2011. It was interesting to note that this product Zeoplant was only worked in from the top and not actually dug into a newly prepared soil mixture. Zeoplant was applied to a crop of Prosopis cineraria trees already growing in 100 liter air pots. After only six weeks the results were quite startling. The trees required less water (up to 50% – less than before) their colour improved dramatically and they looked healthy. Their growth rate was dramatic (over the next 6 months) and they soon needed to be transplanted into larger containers.

Ian Oliver Head of Horticulture, Oman Botanic Garden,





#### UMM AL QUWAIN MARINA DEVELOPMENT - UAE

#### Umm Al Quwain Marina Development

Record of actual water consumption during the 2nd year of planting (2011/2012).

Note: Watering durations determined by monitoring the healthiness and growth of the landscaping.

Season Watering Duration per day Design Duration per day Saving

Winter	30 min	60 min	50%
Spring	50 min	90 min	44.4%
Summer	70 min	120 min	41.6%
Autumn	50 min	90 min	44.4%

As the landscaping contractor who executed the construction and maintenance work of above project we confirm that, the above results were achieved due to the usage of "Zeoplant" water saving soil additive in the project.

Adnan Hamad General Manager, Gulf Gardens,





### The Palm Jumeirah Dubai – UAE

We have experienced extremely good results by using Zeoplant and would like to confirm the following improvements:

The consumption of irrigation water could be drastically reduced. We have decreased the irrigation time by 50% and realized that the soil where Zeoplant was mixed was still containing enough moisture. The mortality rate of the plants, particularly shrubs and palms could be reduced to a much lower rate. Zeoplant has a very good reaction and in the shoreline areas with high salinity. The application of Zeoplant was very easy and did not require any additional procedures or caused implications to other works. From our good and satisfactory experience with Zeoplant, we highly recommend usage of this product as soil additive for landscaping projects.

Omar K. Mahmoud Project Manager, ARCO Irrigation & Landscaping





### The Palm Jumeirah Dubai – UAE

We confirm that we have used this product extensively on the Palm Jumeirah landscaping works which has been tried and tested within the U.A.E. by the client for the specific purpose of sustainable and effective watering operations.

We confirm that this product has been proven to be successful on the Palm Jumeirah and far superior to alternative products currently on the market. This was most notable in the initial stages of the works when the irrigation network was not completed. We found that the number of water tanker trips was significantly reduced after the application of this product. As a result we have seen a more rapid establishment of the soft landscaping at a time when irrigation water was unavailable.

Due to the above we confirm that Zeoplant has now been incorporated within our Specification as a standard material within our soil mixing design.

Eike Selby Senior Landscape Architect, Al Khatib Cracknell,





## Montgomerie Links Golf Course Vietnam

Zeoplant was chosen because it had been tested and passed USGA soil amendment standards and because it has also an organic component which is beneficial in making golf greens receptive to golf shots in the early stages of golf green construction. Zeoplant was very easy to apply and did not require any mixing with the green sand before application unlike peat moss which requires premixing before application. The consumption of irrigation water is approximately 50-60% less during the grow-in of the greens compared to the other areas of the golf course where Zeoplant has not been used.

Zeoplant has met our expectations and I would recommend it for use in golf greens.

Laurie Walsh Project Manager, IMG Construction Management







## Steyn City – South Africa

Our landscaping project on Steyn City started in January 2012 with the first seeding operation taking place on the 18 May 2012 where Golf Data took the opportunity to first test Zeoplant. It is important to note that South African soils are predominantly poor quality, sandy soils with very low water holding capacity, and the conditions on site at Steyn City are no exception; we hoped that the application of Zeoplant would assist us in better managing these conditions.

The average temperature we experienced this May was around 18 degrees & with winter rapidly approaching it was not ideal conditions for germination or for testing the conditions. However, on visible inspection it was clear that where Zeoplant had been applied the soil remained moist for longer periods relative to those areas where Zeoplant was not applied.

Hilton Stevens Horticulturist, Golf Data Holdings









# Leopard Creek - South Africa

We've been fortunate enough to build a unique facility for our client wherein we were able to introduce different specifications of growing medium across a number of new greens.

These greens have now been playable for a little over one year, and the climate in that region is very hot and humid. What we can say with certainty is that where Zeoplant was specified in the growing medium;

The Germination and coverage was noticeably faster and more uniform. The greens show fewer stress areas and are less prone to disease. The greens recover visually and result in a more true putting surface after agricultural practices **faster** than comparative greens in the same facility that do not have Zeoplant specified.

Robbie Marshall Chairman - Golf Data





