


Wicking our World

Planters & Tree Reservoir



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BERA[®]

WaterUps Planters & Tree Reservoir™?

Decoland has incorporated an Australian proven system known as WaterUps Planters & Tree Reservoir™ watering effectively from below the roots enabling plants and young trees to get off the best start in life, creating strong deep roots to survive future extreme seasons as we all experience more and more due to climate change. It is a great addition to Decoland systems to 'Preserve Water for Future Generations'.

It's a game changer for planter box applications and tree planting programs, turbo-charging plant- and tree growth in every way, while saving up to €380* per tree in maintenance costs in the first 18 months of a tree's life. With the millions of trees and other greens to plant to reduce heat island impacts, the WaterUps Planters & Tree Reservoir™ is the ultimate solution for municipalities, developers, architects and landscapers wanting to green cities, future proof communities and make lives more livable.

How the WaterUps Tree Reservoir™ works?

The innovative wicking system provides an underground reservoir of water for plants and young trees so they will always have a regular supply of moisture at a depth of 35 cm below the roots, encouraging roots down away from surface water.

The submerged underground reservoir is less affected by evaporation or surface level seepage, therefore the water lasts longer, requiring less watering. Over time in case of tree application, the roots will grow around the reservoir and deeper, making the tree more stable and resilient, while still having access to a water supply 35 cm below the original roots.

WaterUps wicking solutions have been developed and tested since 2016 in a wide range of systems and solutions for gardens, landscaping, nurseries and city farming.



The WaterUps Planters & Tree Reservoir keeps plants & young trees alive so they can thrive.



COST SAVINGS per TREE

Over 18-months establishment = €380*

WATER SAVINGS = 943 liters

*based on Australia case studies



Benefits

- 75% Less watering, saving water and labor expenses,
- Stronger root growth, thus healthier plants and trees,
- Faster growth of plants and trees,
- Less failure of young vegetation,
- Greener and cooler environment.

Applications

- In planters in- or outdoor,
- Under trees and shrubs,
- Private gardens,
- Public spaces,
- Terraces.



Incredible Savings

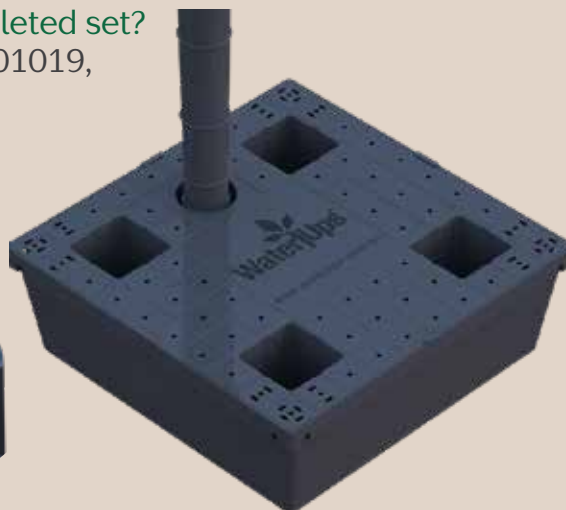
Young plants and trees need regular water as their roots are close to the surface, where evaporation is constant. Watering a tree via a watering truck costs* around €4 per tree in labor. In Australia, the government guidelines for the watering schedule are substantially reduced using WaterUps:

- Month #1: from 4 weekly to 1 weekly.
- Months #2 and 3: from 3 weekly to 1 fortnightly,
- Until month #15+: from 2 weekly to 1 fortnightly.

What's WaterUps Planters & Tree Reservoir™ completed set?

- 1 x WaterUps Planters & Tree Reservoir™ - ID2101019,
- 2 x inlet pipes and connector,
- 1 x Anti-tamper Lid (lockable cap) and 1 key.

Perlite to be bought separately.



Technical Specifications*

GENERAL

Material	:	100% recycled polypropylene (recyclable)
Color	:	Black
Manufacturing technology	:	High precision injection molding
Manufacturing standards	:	ISO9001
UV, chemical resistance	:	Resistant

PHYSICAL DATA

Dimensions reservoir	:	40 x 40 x 13 cm
Water content	:	15 liter
Installed depth	:	ca. 35 cm below roots
Weight incl. lid and inlet pipe	:	2.5 kg
Wicks / Feet	:	4 / module
Perlite medium grain size	:	2 liter / module

* In favor of product improvements, specifications may change without prior notice.

See the Difference in Growth

The WaterUps Planters & Tree Reservoir™ was tested through multiple trials in Australia over an 18-month period before being made commercially available.

This picture compares trees planted with the reservoir versus trees planted without. Two of each tree group were removed after 3 months to investigate root growth. The ones planted in WaterUps had more than 50% root growth.



Other Wicking Solutions

Wicking is making use of capillary rise, discovered by Leonardo Da Vinci in the 1800's. Perlite is used as the medium to wick water from the reservoir to the soil above, enhancing soil and aeration and delivering moisture to where it can be of most value to tree and plant roots. Therefore we offer similar wicking system for planter boxes or even rectangular sub irrigation channels (SICs) for larger borders or planter areas in nurseries or municipalities. Please contact us for any special request or application.

Environmental and technical expertise

Decoland globally adheres to the United Nations Sustainable Development Goals. WaterUps is fully in line with our policies in the use of recycled polypropylene, 100% recyclable at the end of life and saving up to 80% of water. Combating heat-island effects by planting trees will help create a better world for our future generations.



Decoland

Landscaping Innovative Sustainable Solutions

DECOLAND was founded in Egypt in 2012 as an Eco-friendly company to develop, manufacture, & distribute 'green' products and solutions for landscapes and urban spaces. We have built an edge in the market in which we provided ecological sustainable solutions with high technology, high quality and unique applications.

Based on long standing cooperation with BERA we have gained their trust and obtained an exclusive license to locally produce the Honeycomb[®] (Gravel Fix), Aluminium separators and HDPE Edges in Egypt.

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BERA[®] is the trademark of BERA B.V of The Netherlands, a company which develops stabilization systems, eco systems and prestigious outdoor living concepts.

With the company's historical roots & wealth of know-how in landscaping and architectural fields, they create innovative and environmentally sustainable solutions, supplied throughout Europe, the Middle East, Africa, Central America and S-E Asia regions.

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