



  
Wicking our World

## Sub-Irrigation Channel



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**BERA**<sup>®</sup>

# WaterUps Sub-Irrigation Channel

The WaterUps Sub-Irrigation Channel™ is a proven Australian system that is the fast and easy way for landscapers, property developers, councils and urban agriculturalists to build water efficient gardens in raised or in-ground beds and support healthy, fast growing plants. It is a great addition to Decoland Eco Systems to 'Preserve Water for Future Generations'.

As the world's most scalable and versatile wicking solution the SIC enables a multitude of gardening projects to be built and maintained quickly and easily. The SIC gardening set up will continue to perform year after year, delivering significant ongoing savings in time, watering and maintenance.

Importantly, it enables the visions of landscape architects and garden creators to be brought to fruition and to live on.

## How the WaterUps Sub-Irrigation Channel™ works?

The innovative wicking system provides an underground reservoir of water for plants, shrubs and trees so they will always have a regular supply of moisture at a depth approx. 35 cm below the plant root zone, encouraging roots down away from surface water. The submerged underground reservoir is less affected by evaporation or surface level leaching, therefore the water lasts longer, requiring less watering. The reservoir includes an overflow pipe to remove excess water and avoid water logging providing free draining around the base of the reservoir.

This WaterUps Sub-Irrigation Channel™ (SIC) will also capture rainwater, reducing watering requirements. It can be incorporated into storm water downpipes and tank systems to better manage excess water runoff in periods of heavy downfall. 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 Sub-Irrigation Channel is the fast, economical and sustainable way to create amazing gardens and green buildings.



The WaterUps SIC is the fast, economical and sustainable way to create amazing gardens and green buildings.



## Applications

- Raised garden beds,
- Terraced gardens,
- Rooftop gardens,
- Large in-ground garden plots, any size,
- Urban farming and nurseries,
- Rain gardens,
- Under lawns.

## Benefits

- 80% Less water usage,
- Lower watering frequency up to 90%,
- Stronger root growth, thus healthier vegetation,
- Faster creation of garden beds,
- Long lasting watering solution.

## 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.

## What's included in the Package

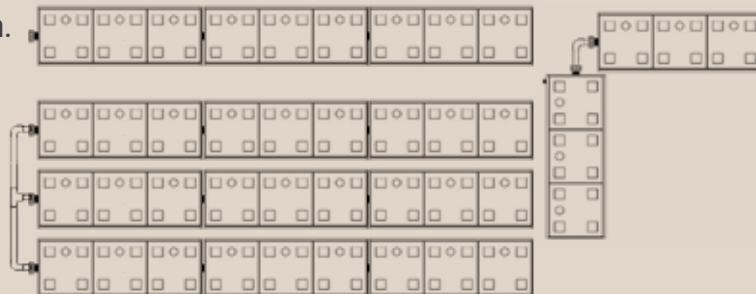
- 1x WaterUps Sub-Irrigation Channel 1.34 x 0.47m,
- 3x WaterUps wicking cells,
- 1x inlet pipe,
- 1x overflow pipe,
- 1x extension connection fitting.



Perlite to be bought separately.

The extension kits are the same size, without the inlet pipe, end cap, spigot and overflow extension.

Some examples of various garden beds you can build with the SIC:



## 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	:	134 x 47 x 16 cm
Water content	:	50 liter
Installed depth	:	60 cm
Weight incl. 3 cells and inlet pipe	:	7 kg
Wicks / Feet	:	12 / SIC
Perlite medium grain size	:	6 liter / SIC

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



## Sub-Irrigation Channel solves Landscaping Challenges

The WaterUps SIC 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, shrub and plant roots.

Landscaping contractors can now create fast their larger borders or planter areas in nurseries or municipalities. Amend the size by cutting down the size or extend the channels. Use 40 mm PVC pipes for quick and cheap parallel and perpendicular connections. No liners, pond liners or waterproofing required. No punctures or sprinkler issues in the future...no headaches!



# 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<sup>®</sup> (Gravel Fix), Aluminium separators and HDPE Edges in Egypt.

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**BERA<sup>®</sup>** 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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