




WaterUps[®]
Wicking our World

Sub-Irrigation Channel

BERA[®]

What is the 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 BERA 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.

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

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 of at a depth allowing approx. 35cm 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 stormwater 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.

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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

BERA 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. Combatting heat-island effects by planting trees will help create a better world for our future generations.

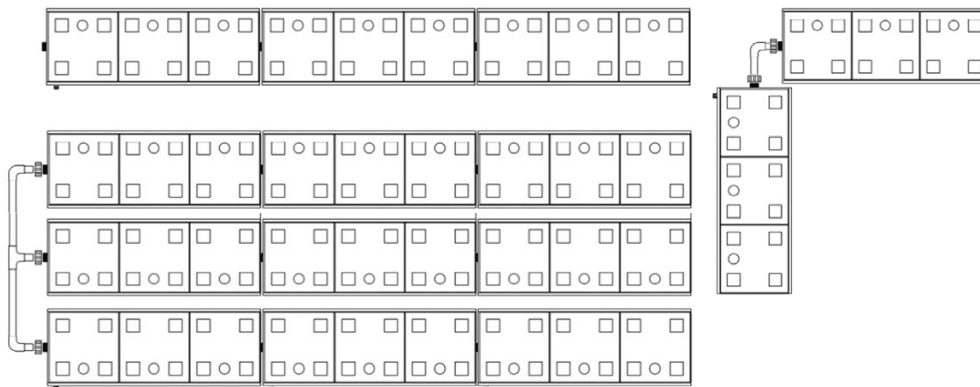
What's included in the Package

- 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:



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!

Please contact us at info@bera-bv.com for any special request or application query.

Technical Specifications*

GENERAL

Material	: 100% recycled polypropylene (recyclable)
Manufacturing technology	: High precision injection moulding
Manufacturing standards	: ISO9001
Manufacturing location	: Australia, EU pending
Colour	: Black
UV, chemical resistance	: resistant
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

* subject to change without prior notice



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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