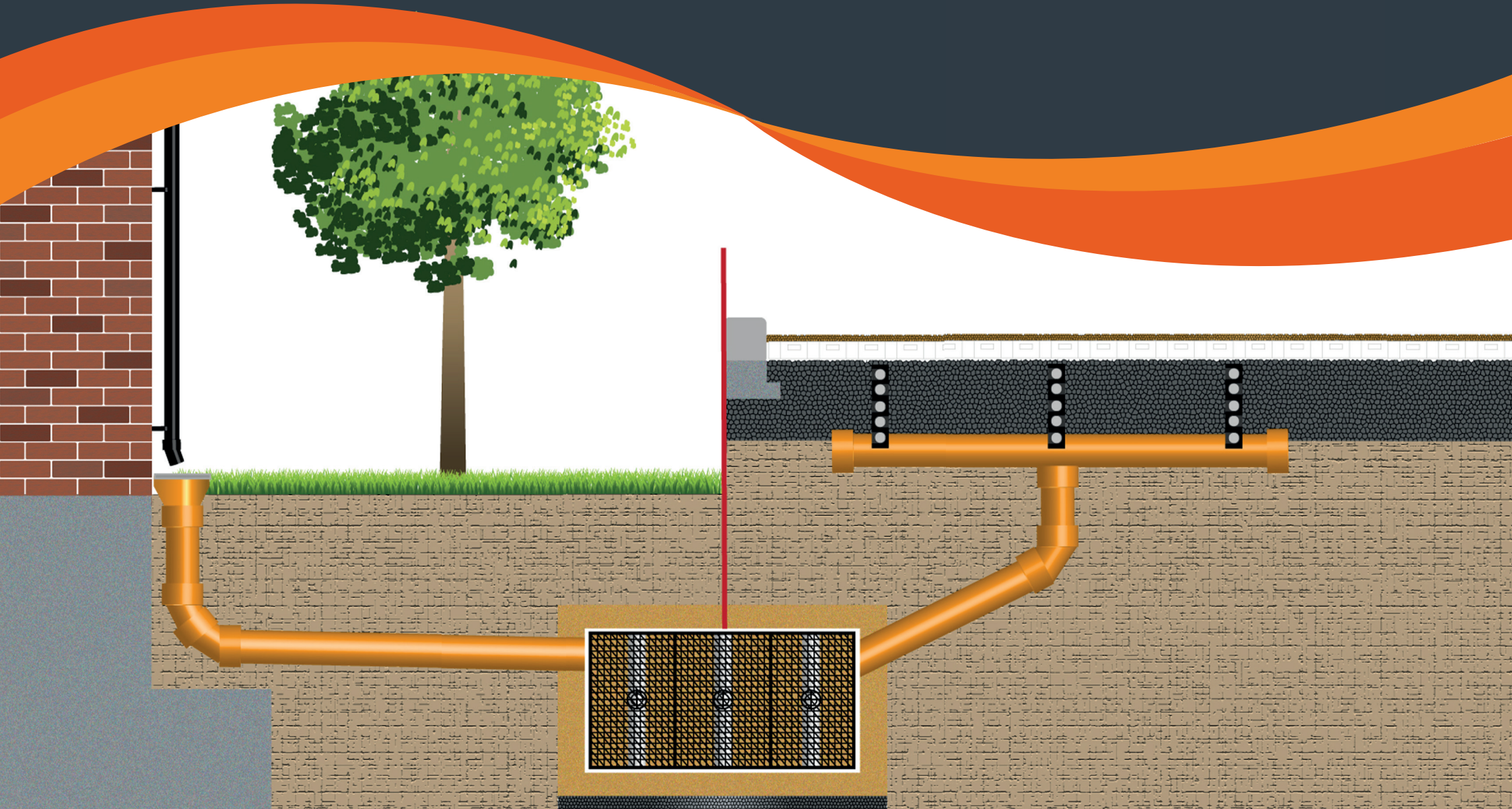




CORE WATER SOAKAWAY CRATE - Specification & Installation

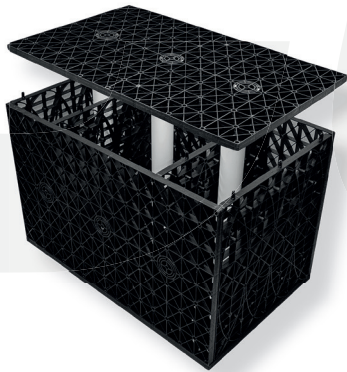


THE PRODUCT

The perfect solution for effective water management and erosion control in a variety of construction and landscaping projects.

Engineered with precision, these cells feature a distinct geometric design that optimizes water distribution, reducing the risk of water accumulation and erosion while preserving soil integrity.

Commonly used in gardens, under pathways, and in sports fields, catering to a wide range of drainage needs.



USE FOR

- ✓ Stormwater management • Flood Prevention • Sports Fields • Driveways

TECHNICAL DATA

Material	Recycled polypropylene
Crate Dimensions	800 x 540 x 500mm
Cubic Area of Crate	0.216m3
Membrane Included	Non-Woven 80gsm
Chemical Resistance	Excellent

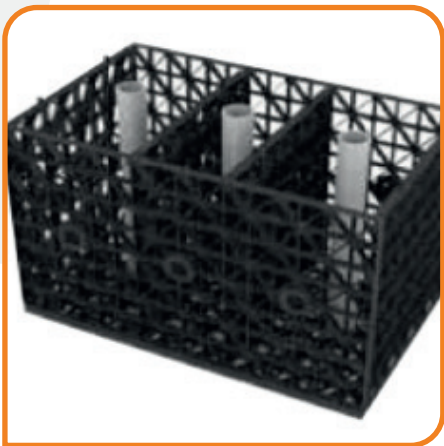
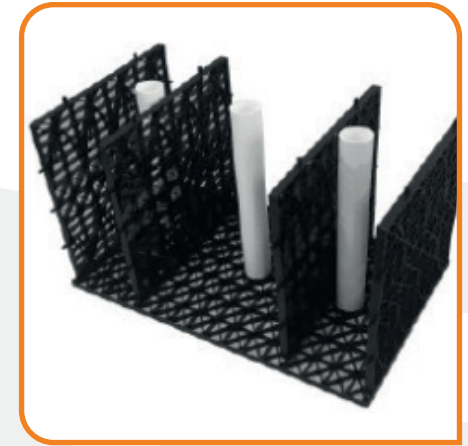
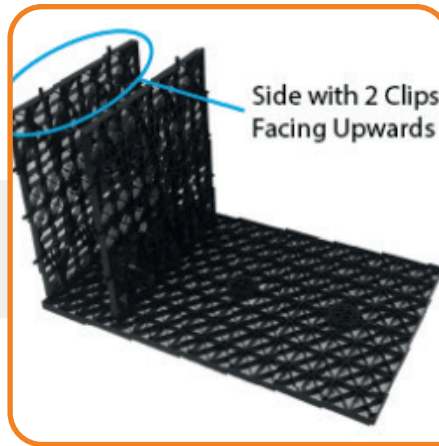
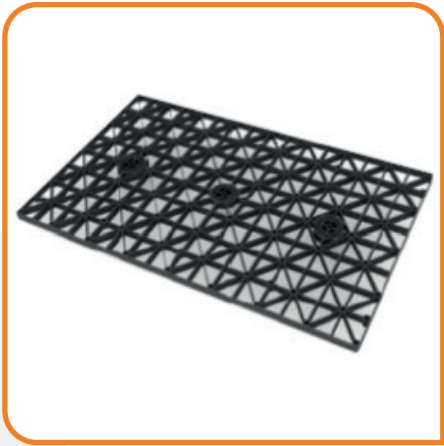
BENEFITS

- ✓ Easy to assemble
- ✓ Safe and intelligent rainwater solution
- ✓ Reduces hydrostatic pressure
- ✓ Re-distributes water to surrounding soil at a natural pace
- ✓ Lightweight and easy to install

CORE SOAKAWAY CRATE

Specification & Installation

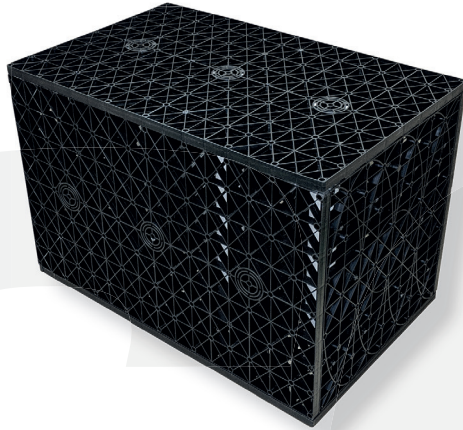
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CORE SOAKAWAY CRATE

Specification & Installation

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CAPABILITIES

The CORE WATER Soakaway Crate is the perfect product for creating highly efficient soakaways in residential applications.

Our easy-to-assemble crates can be installed beneath gardens, pedestrian areas and driveways with light vehicular traffic.

Designed to offer the latest in drainage technology, moving away from inefficient traditional soakaways, in favour of intelligent, structurally sound solutions for rainwater management. This innovative approach gives our crates up to 95% greater capacity than other solutions.

Water is able to penetrate through the non-woven membrane and collect in the crate, this water will then slowly infiltrate back into the ground at a natural pace.

**The performance of a soakaway is dependant on the porosity/infiltration rate of the surrounding subsoil. Installation in soil should be avoided. If creating multiple crate soakways, ensure these are installed in areas that do not receive vehicular traffic.*

CALCULATING

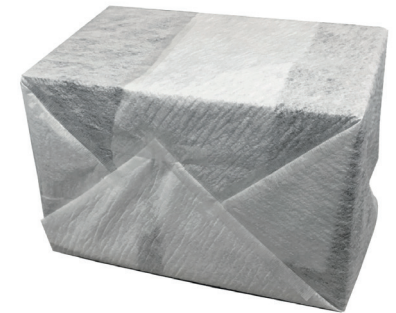
There are a number of ways to calculate the size of soakaway required... The most commonly used in the industry is:

Soakaway Volume = Area x (Rainfall Rate/3000)

For a standard 60m² roof or driveway in the UK the calculation would be:

60m² x (50mm/3000) = 1m³ volume

This means you would require 5 of our CORE WATER Crates to create a 1m³ soakaway. In other words, 1 crate should be used for every 10-12m² of area to be drained.



CORE SOAKAWAY CRATE

Specification & Installation

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Applications

Wide variety of uses including stormwater management, flood prevention, sports fields and recreational areas.

Installation

Installed underground - must be a minimum of 5m away from nearest building. For pedestrian / garden areas, minimum depth of install is 450mm. For areas with vehicle use, minimum install depth is 900mm.

Storage & Handling

Transported on pallets - 26 crates per pallet.

PPE

We recommend the use of personal protective equipment (PPE) when installing CORE WATER CRATES, including strong gloves to protect the hands, and ear plugs or defenders if using loud cutting equipment.

Health & Safety

To comply with Health and Safety Regulations 1981, all construction sites should have a first aid box with enough equipment to cope with the number of workers on site, an Appointed Person to take charge of first-aid arrangements, and a First-Aider who has undertaken training and holds an HSE approved qualification to administer first aid. The number of first-aiders will depend on the site, and information should be clearly displayed on site telling workers the name of the Appointed Person(s) or First Aider(s) and where to find them.

Environmental Credentials

Through resource conservation, the recycling of polypropylene reduces the demand for new plastic production, lessening reliance on raw materials and fossil fuels. This process's energy efficiency contributes to a decreased carbon footprint and lower greenhouse gas emissions. By diverting plastic waste from landfills and incineration, recycled polypropylene actively combats environmental harm and waste accumulation. Notably, the recycling process consumes less water than the production of new plastic, bolstering water conservation efforts. With reduced emissions, a closed-loop recycling potential, and minimized oil dependency, this recycled material showcases a commitment to a circular economy and sustainable resource management. As recycled polypropylene finds innovative applications in various sectors, it concurrently educates consumers about responsible plastic use and waste reduction, making a significant contribution to a more environmentally conscious and sustainable future.

Further Information

Please do not hesitate to contact us to discuss your next project. For more information on the entire CORE product line please refer to the Knowledge Centre on our website. You can find all of your downloads, install videos and case studies www.corelp.co.uk.

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