



# CORE DRAINAGE

BY CORE LANDSCAPE PRODUCTS

LANDSCAPING ALTERNATIVES FOR A SUSTAINABLE FUTURE



ABUTMENT DRAINAGE | ROAD EDGE DRAINS | ROOF GARDENS | RETAINING WALL | GOLF COURSES

Certified



Corporation



FOR THE PLANET



CORELANDSCAPEPRODUCTS.CA

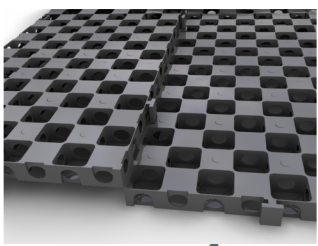
# CORE DRAINAGE CELL



CORE Drainage Cells effectively capture sub-surface water and transports it away. This product is ideal for saturated grounds against an external wall of a sloped driveway or basement room. CORE Drainage cells aim to relieve the hydro-static ground pressure against retaining walls and prevent the water from becoming logged. CORE drainage cells are made from recycled polypropylene and are extremely lightweight with superior structural integrity. They are an efficient water drainage solution for applications such as:

## BENEFITS OF CORE DRAINAGE CELLS

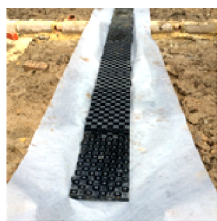
- 💧 Flood mitigation with an effective capture and transport capacity
- 💧 Hydro-static ground pressure relief preventing stagnant water
- 💧 Superior structural integrity
- 💧 Easy to assemble + affordable
- 💧 Simple lightweight interlocking design



Final product will be wrapped in the provided non-woven geotextile

## TECHNICAL SPECIFICATION

<b>Material:</b>	Recycled Polypropylene
<b>Cell Dimensions:</b>	600x290x25mm
<b>Interlocking:</b>	yes, pin and socket
<b>Discharge Capacity:</b>	5L/s
<b>Cell Weight:</b>	1.2lbs
<b>Chemical Resistance:</b>	Excellent
<b>Horizontal Void:</b>	58% void area
<b>Service Temp:</b>	-10 ° C to 40 ° C



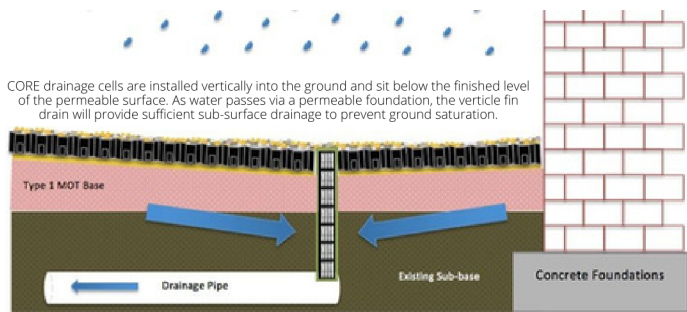
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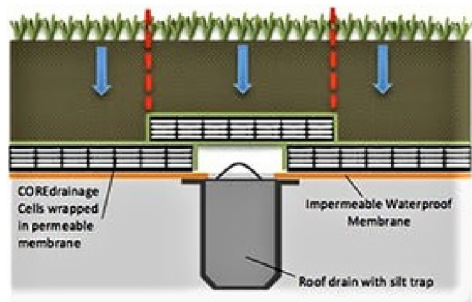
## Road and Building Edges

Installation of a CORE drainage vertically functions best when using a permeable paving system such as CORE Foundation. The water will drain via a permeable foundation and flow in the direction of least resistance, which could be towards a retaining wall, causing water saturation and damp-related issues. CORE Drainage cells will capture the sub-surface water and transport it effectively.

Ideal for areas where a saturated ground meets an external wall of a basement room or sloped driveway running towards a building. By relieving the hydrostatic pressure in the ground against retaining walls, the water will be moved away to a designated area, such as a purpose built CORE Water Crate or storage tank.



## Green Roofs + Rooftop Gardens

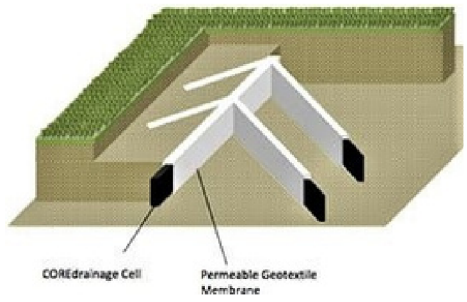


First cover the existing roof with an impermeable membrane, interlock the cells and lay them directly onto the roof. Next, cover the cells with a permeable membrane, this allows the water through but prevents the cells from becoming clogged with silt. Soil can be placed directly on top of the CORE Drainage cells. The increased water flow and high weight-bearing properties of these compact modules allow for greater soil depth than alternative methods, giving you a wider variety of plants to choose from when designing your rooftop garden or green roof.

## Sports Fields + Saturated Ground

The permeable geotextile membrane allows water to be drawn in at an accelerated rate, but keeps the silt out. If ground conditions are stony, it's recommended you double wrap the cells to prevent any clogs.

CORE Drainage cells are the perfect retro fit for saturated ground, providing effective sub-surface water flow with minimal surface disruption allowing rapid re use of the area.

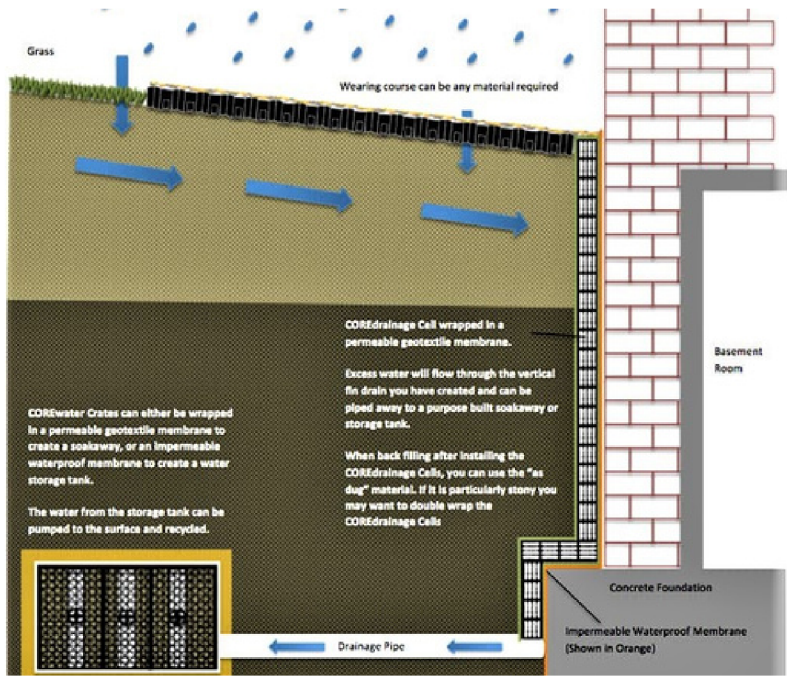


# CORE DRAINAGE CELL



## Retaining Walls + Basements

Installation of CORE drainage cells functions best when using a permeable paving system such as CORE Foundation in conjunction with CORE Water crates as seen below.



## ORDERING

ONLINE: [CORELANDSCAPEPRODUCTS.CA](http://CORELANDSCAPEPRODUCTS.CA)  
 BY PHONE: 1 (855) 777 - 2673

CORE Landscape Products is open from 9-4:30 PST Monday through Friday. Call to speak with a real human being - our team is here to help.

CORE Landscape Products is proud to be WBE Canada and B Corp Certified for diverse suppliers.



## OUR MISSION

A MESSAGE FROM OUR FOUNDER



CORE Landscape Products was founded on the belief that we all have the ability to improve our environment. For us at CORE, that means creating products that both enrich our environment and are sustainable. Our philosophy comes from years of work in the environmental and development field, and a desire to provide a unique quality of service to our clients.

- I. Rutledge

INSPIRED BY NATURE.