

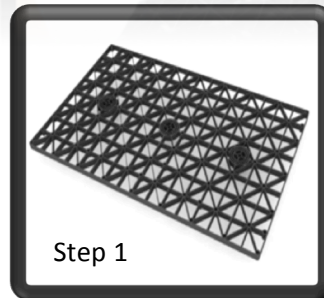
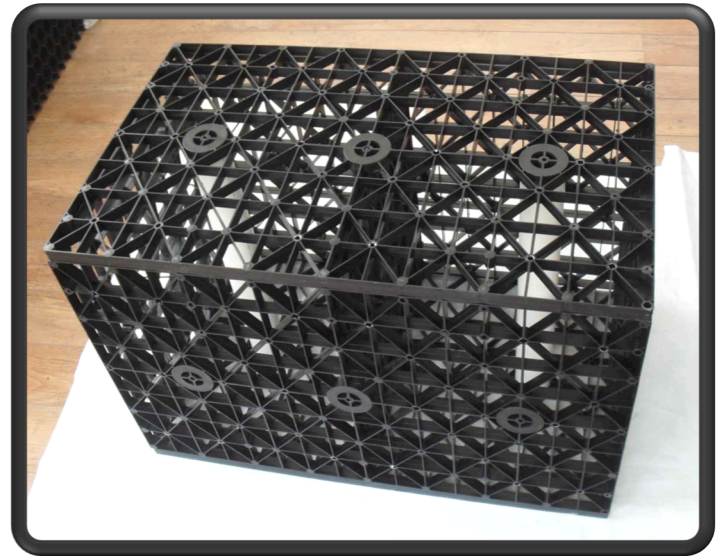
Product Code: CGS018 – [800x500x540mm]

COREwater is a robust water management system which provides solutions for orderly drainage, water retention and water recycling, whilst being strong enough to be installed under pedestrian or vehicular traffic.

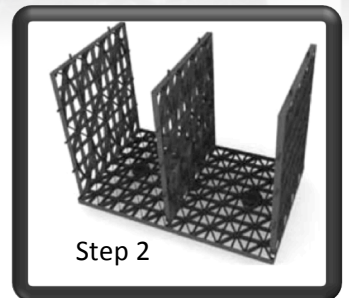
COREwater storage tanks alleviate flooding and provide an environmentally friendly solution for rainwater storage and recycling. This underground solution also alleviates the need for unsightly over ground tanks, barrels or butts. Storage tanks are available in a wide range of crate panels and pipes so that you can configure the most appropriate solution to suit your requirements.

Assembly Guide

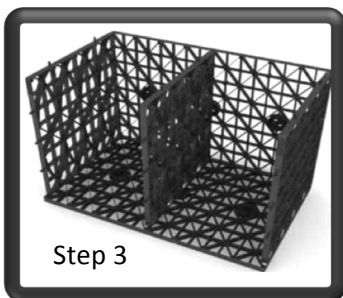
6 simple steps to building your COREwater crate. Crates can be configured with varying combinations of tube and inner wall. Sold with 3 tubes and 2 inner walls. This gives a weight bearing of 20 tonnes. Supplied flat packed.



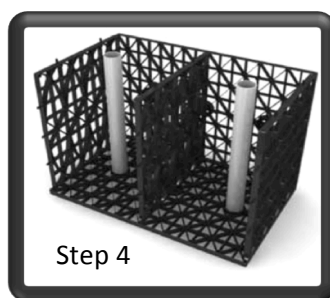
Step 1



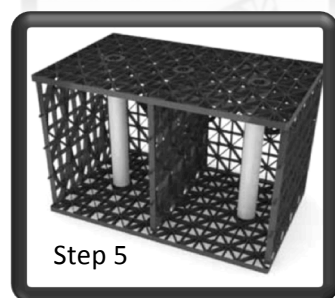
Step 2



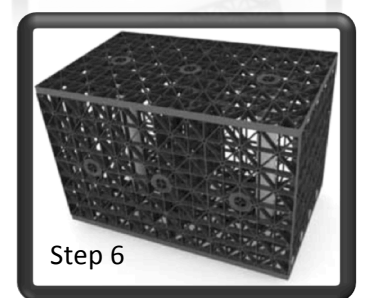
Step 3



Step 4



Step 5



Step 6

COREwater underground drainage cells provide an efficient water drainage solution for a variety of applications from planter boxes and rooftop gardens to sports field and pavement drainage.

The construction of the cells allow water to flow evenly across the surface, avoiding areas of water build up. Furthermore, the cells retain enough moisture to provide ideal growing conditions, ensuring only excess water is removed.

COREwater drainage cells are extremely lightweight yet strong, making them ideal for podiums and rooftop gardens. When installed vertically and wrapped in a geo textile membrane they form a highly effective fin drain, incredibly thin and unobtrusive with immense water flow capabilities.

CBR Sub base Guide

Application Load	CBR (%) Strength of Subgrade soil (see chart below)	DoT Sub-base Thickness (mm)
Light vehicle access and overspill parking	≥6	100
	=4 <6	100
	=2 <4	135
	=1 <2	260

The above table showing sub-base thicknesses is intended as a general guide in accordance with BS7533. For further details on permeable paving design refer to BS7533 Part 13; for installation refer to BS7533 Part 3. The design for pavements should satisfy two parts – to support the traffic load and to manage surface water. To determine CBR (California Bearing Ratio) of site ground please refer to the table below.

Subgrade Field Assessment

Consistency	Indicator			Strength	
	Tactile (feel)	Visual (observation)	Mechanical (test) SPT	CBR %	CU kN/m ²
Very Soft	Hand sample squeezes through fingers	Man standing will sink >75mm	<2	<1	<25
Soft	Easily moulded by finger pressure	Man walking sinks 50-70mm	2-4	Around 1	Around 25
Medium	Moulded by moderate finger pressure	Man walking sinks 25mm	4-8	1-2	25-40
Firm	Moulded by strong finger pressure	Utility truck ruts 10-25mm	8-15	2-4	40-75
Stiff	Cannot be moulded but can be indented by thumb	Loaded construction vehicle ruts by 25mm	15-30	4-6	75-150

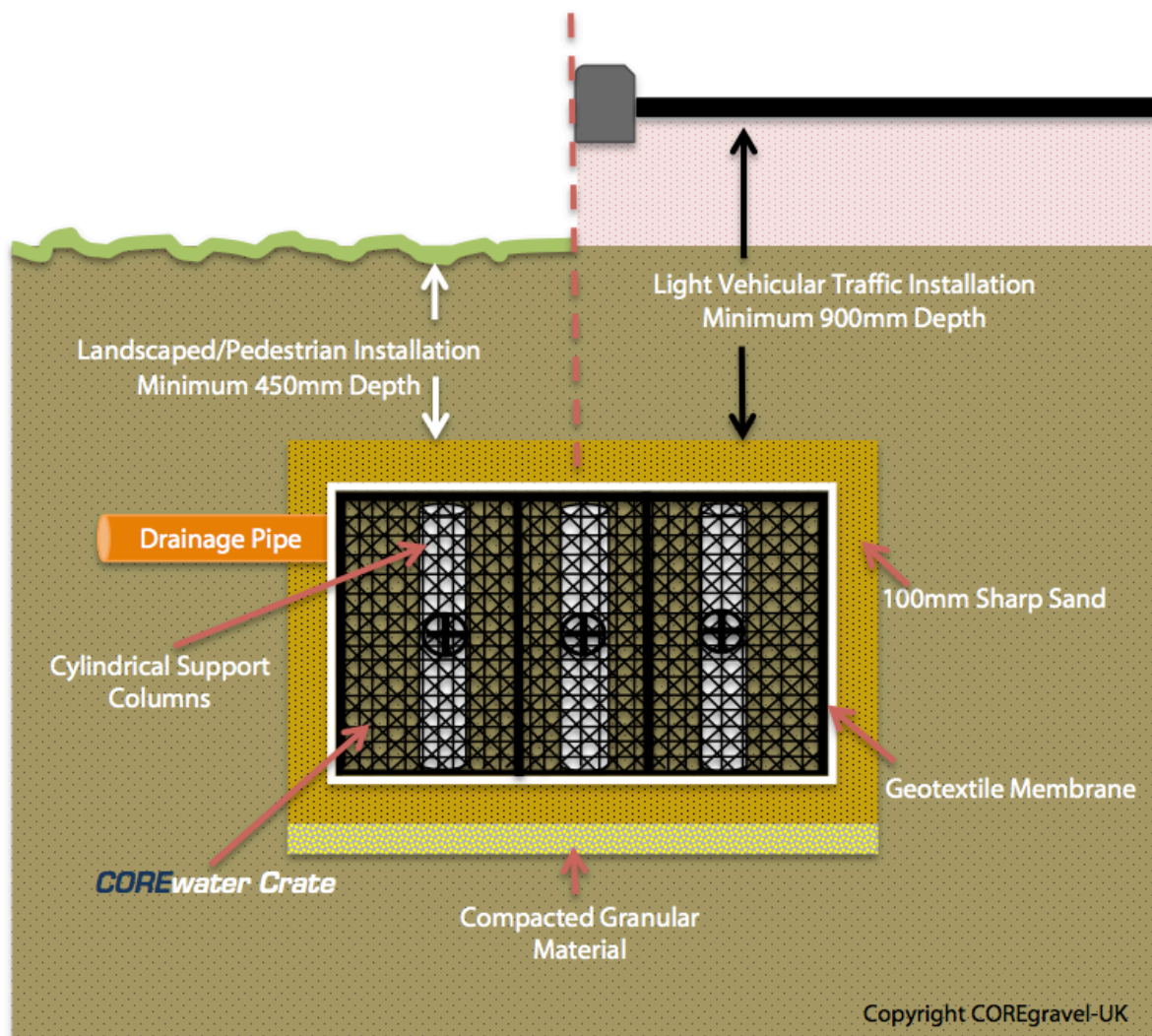
Product Data

Description	Data	Description	Data
Product	COREwater Crate	Interlock Mechanism	Pin and Socket Connection
Product Dimensions	800x500x5400	General Use	Pedestrian/light vehicular
UV/Chemical Resistance	Excellent	Material	100% Polypropylene Virgin
Wall Thickness	4.5mm	Crate Area	0.213m ³
Max Weight	Over 20 tons		

Technical install Diagram

Typical Install – under lawn or light traffic area.

Crates can be configured with varying combinations of tube and inner walls. Multiple crates can be used to create required volume. Average 60m² driveway will require a soak-away of approx. 1 cubic meter (5 COREwater crates).



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This guide is provided as an aid to assessing the mechanical stabilisation requirements in commonly encountered site conditions. COREgravel UK Ltd accepts no responsibility for any loss or damage resulting from the use of this guide.

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