



50mm HexCell Drainage Cell



Engineered for faster installation
and superior outcomes

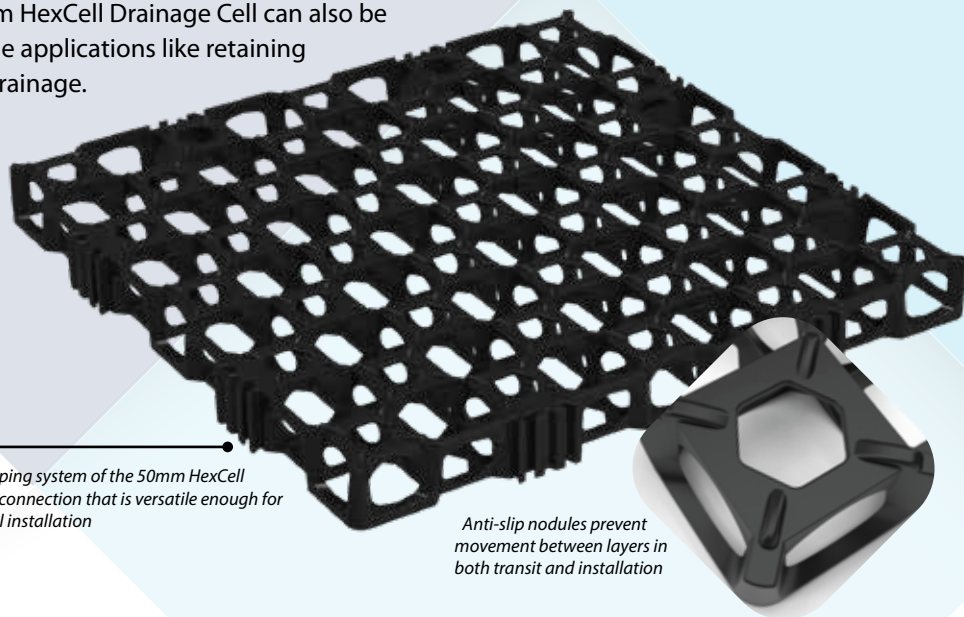
50mm HexCell Drainage Cell

Extreme Duty 550

Ausdrain's 50mm HexCell Drainage Cell is a versatile subsoil drainage cell product suitable for vertical and horizontal installations. Ideal for installations with high risk or weight tolerance requirements greater than that of the 30mm HexCell Drainage Cell, the 50mm HexCell Drainage Cell can also be employed in traditional drainage applications like retaining wall drainage and sports field drainage.



The dovetail clipping system of the 50mm HexCell creates a secure connection that is versatile enough for multi-directional installation



Anti-slip nodules prevent movement between layers in both transit and installation

Dimensions (Metric):	(H) 50mm x (L) 550mm x (W) 550mm
Dimensions (Imperial):	(H) 1.97" x (L) 21.65" x (W) 21.65"
Weight:	4.36kg/sqm, (103.46lb/1ft ²)
Surface Void:	70%
Volume Void:	90%
Compressive strength:	150 t/m ² (213.35 PSI)
Flow Rate:	19,200 litres/h/sqm @ 1% fall (678.04/h/ft ²)
Service temperature:	-30°C + 120°C (-22°F + 248°F)
Material:	Available in Reprolene™ (Recycled Polypropylene) or HDPE
Chemical properties:	Unaffected by moulds and algae, soil-bourne chemicals and bacteria



Technical Data of 50mm HexCell Drainage Cell

APPLICATIONS	FEATURES	BENEFITS
Rigid permeable paving	Unique Dovetail Clipping System	Multi-directional installation
Underground tanks	Anti-slip design	Reduces movement
Privacy screening	High compressive strength	Trafficable
Facades and balustrades	Open structure	High flow rate
Vertical gardens	Durable	Long life expectancy
Aviation drainage	Lightweight	Easy to handle
Railway drainage	Supplied in large panels	Quick to install
Under slab drainage	Superior quality	Chemical and bacteria resistant
Commercial driveway drainage	Made from recycled plastic	Environmentally friendly

Product Applications

Ausdrain's 50mm HexCell Drainage Cell is designed for use in Water Sensitive Urban Design (WSUD) subsoil drainage applications, providing an engineered and locally manufactured building material that facilitates surface permeability and a higher load weight tolerance than the 30mm Standard Duty HexCell Drainage Cell.

Green Roof Drainage

50mm HexCell Drainage Cell used as part of green roof installations can help manage stormwater runoff, as part of a green architecture design solution and to provide ongoing energy cost savings. Promoting drainage of excess water onsite, 50mm HexCell creates a void between the roof and infill material whilst supporting the longevity of greenery and vegetation of the green roof, encouraging localised biodiversity in highly urbanised environments.



Planter Box Drainage

50mm HexCell Drainage Cell promotes the adequate aeration of vegetative roots and drainage of excess water from the planter box. Made from non-reactive 100% recycled Reprolene™, 50mm HexCell Drainage Cell can safely be used for planter box drainage and landscaping.



Retaining Wall Drainage

50mm HexCell Drainage Cell can be used to reduce structural stress and hydrostatic pressure from excess water in retaining wall applications. By creating a void between the retaining wall, waterproofing membrane and soil profile, 50mm HexCell Drainage Cell allows for adequate drainage without compromising the structural integrity of the wall.



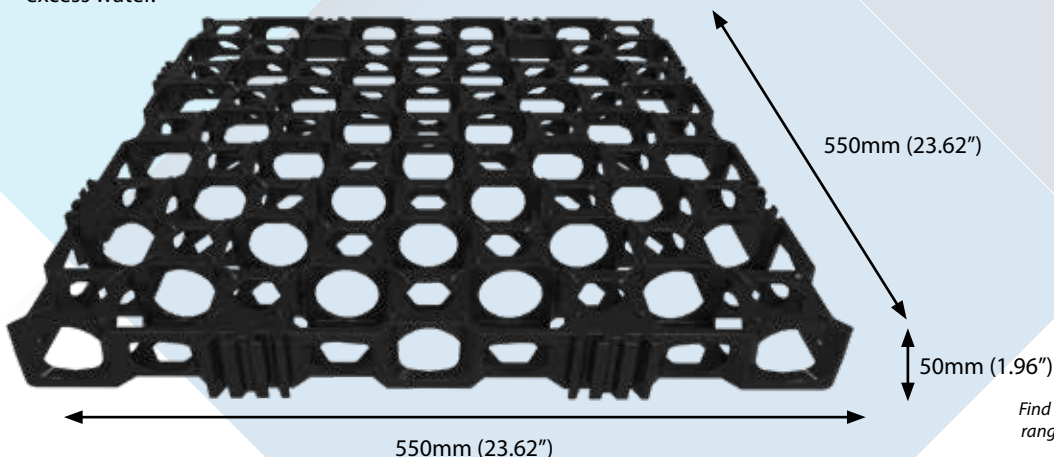
Sports Field Drainage

50mm HexCell Drainage Cell promotes the fast and effective drainage of stormwater or rainwater runoff when used in conjunction with Ausdrain's EnviroModule™2. The Ausdrain Sports Field Drainage System treats, stores and manages excess water without causing disruption to the health and sustainability of the field itself. The system also allows for recycled water reticulation for ongoing field maintenance.



Waterproofing Membrane Protection

50mm HexCell Drainage Cell can also be used as part of a waterproofing solution in subsoil drainage applications. The high compressive strength of 50mm HexCell Drainage Cell internal void promotes airflow and adequate drainage between the waterproofing membrane and soil profile; mitigating structural damage often seen through increased hydrostatic pressure from excess water.



Find out more about Ausdrain's full range of drainage and stormwater management products



www.ausdrain.com

For more information about Ausdrain and our range of WSUD stormwater management solutions, contact our National team today:

1300 287 372

hello@ausdrain.com

PO BOX 40

Minto NSW 2566

2021 Australian Drainage Modules Pty Ltd. All reasonable care has been taken in compiling the information in this brochure. The details in this brochure are intended only as a guide in specifying and installing Ausdrain™ products. It is the customers responsibility to ensure that each product is suitable for its intended purpose and that the actual conditions of use are suitable. Ausdrain™ assumes no responsibility for the specification and/or installation of its products or for improper reliance upon or misuse of the data herein. Due to continuous product development Ausdrain™ reserves the right to change product design and/or specifications without notice.

Australian Drainage Modules Pty Ltd Trading as Ausdrain™



A part of Holloway Group

HOLLOWAY
REDEFINING POSSIBILITY

www.hollowaygroup.com.au