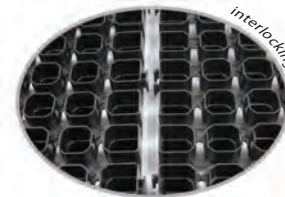
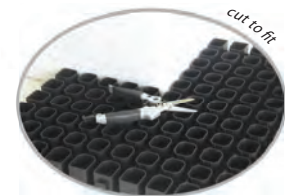
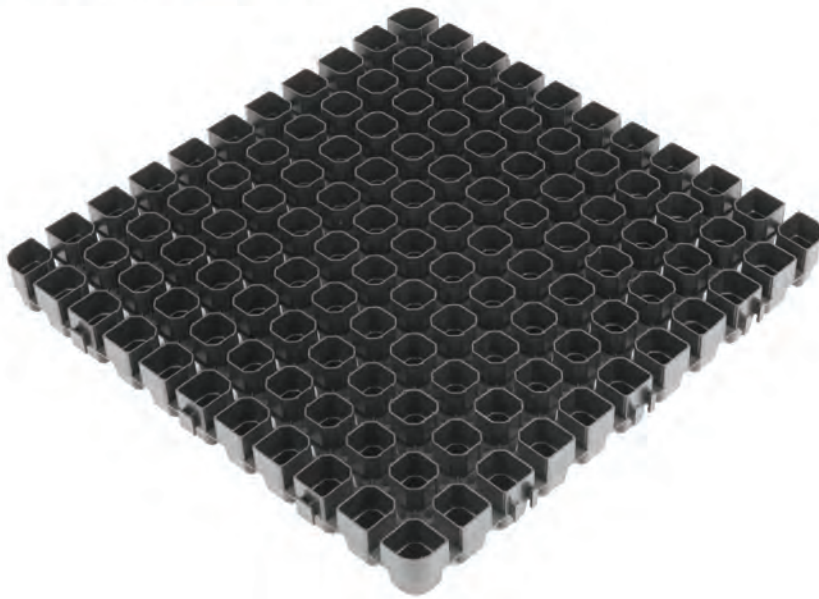


# PlanterCell® 50



PlanterCell® 50 is an innovative patented product with dual applications. It is a green roof system on one side and a sub-soil drainage mat on the other. The flexibility of the mat allows it to adjust to the contour of an uneven deck and its high compressive strength accommodates human traffic.

The mat, a single piece injection moulding, is designed with 121 cells, acting as reservoirs with water storage capacity of approx. 17.4 l/m<sup>2</sup> to keep plants nourished via capillary action, reducing irrigation frequency needed. The space between the cells acts as a drainage channel for excess water to prevent water logging. Male/female interlocking system at the sides of the mat allows the mats to be laid out securely to form a platform for planting.

PlanterCell® 50 when flipped over transforms into a drainage mat as the reservoirs are not in use and the channels drains water.

The system consist of the tray, PlanterCell® Planting Mix and Insu® Felt as a separation layer between the planting media and the cells to prevent clogging of the reservoirs.



Technical Specifications		UOM	PlanterCell® 50
SEC Green Label			Yes
SGBC Green Product			✓✓✓✓
Material			Recycled PP
Colour			Black
Size:	Height	mm	50
	Width	mm	500
	Length	mm	500
Pieces per m <sup>2</sup> Area		pc	4
Nominal Weight:	Planted	kg/m <sup>2</sup>	130 to 145
Cells (Reservoirs)		nos.	11 x 11
Water Storage	Capacity	l/m <sup>2</sup>	17.40
Compressive Strength		tonnes/m <sup>2</sup>	87.3
Planting			Intensive Extensive

SEC = Singapore Environment Council

SGBC = Singapore Green Building Council

- (1) Roof Slab
- (2) Root Resistant Waterproofing Membrane
- (3) Termination Groove Line  
12mmx12mm
- (4) GrasCell® DC30
- (5) PlanterCell® 50
- (6) Insu® Felt
- (7) PlanterCell® Planting Mix
- (8) Selected Green Roof plants
- (9) Drain Pipe

Fire resistant version available. Please contact us for more information.