



PlanterCell® 50 is a patented modular green roof tray made from 100% recycled PP, featuring 121 standalone cells and a water storage capacity of approximately 18 L/m². Its flexible, cut-to-fit design suits irregular and contoured roofs.

APPLICATIONS:

- Green roofs and rooftop gardens
- Planters and Podium Decks
- Lawns, terraces, and paved areas
- Sports fields and drainage layers

BENEFITS:

- Dual function: water storage and efficient drainage
- Prevents waterlogging and supports healthy plant growth
- Reduces irrigation needs
- Lightweight, easy-to-install modular system

Tech Specs		UOM	PlanterCell® 50
SEC Green Label			Yes
SGBC Green Product			✓✓✓✓
Material			100% Recycled PP
Colour			Black
Size:	Height	mm	50
	Width	mm	500
	Length	mm	500
Pieces per m ² Area		pc	4
Nominal Weight:	Planted	kg/m ²	130 to 145
Cells (Reservoirs)		nos.	11 x 11
Water Storage	Capacity	l/m ²	>18
Compressive Strength		tonnes _r /m ²	>85
Water Flow Rate @ 1% Gradient		l/m/s	79
Planting			Intensive Extensive

SEC = Singapore Environment Council
SGBC = Singapore Green Building Council



- (1) Roof Slab
- (2) Root Barrier
- (3) Termination Groove Line
12mmx12mm
- (4) GrasCell® DC30
- (5) PlanterCell® 50
- (6) Geotextile Layer
- (7) Planting Media
- (8) Selected Green Roof plants
- (9) Drain Pipe

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

