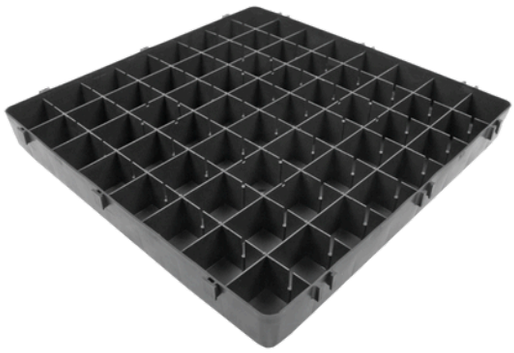
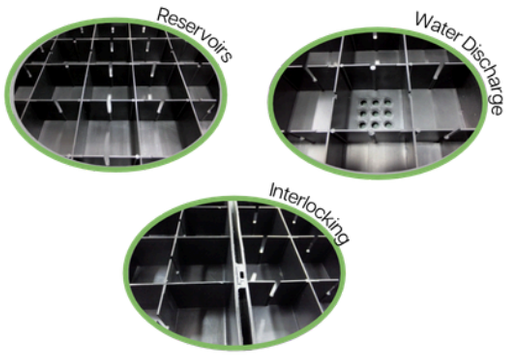
PlanterCell® 70





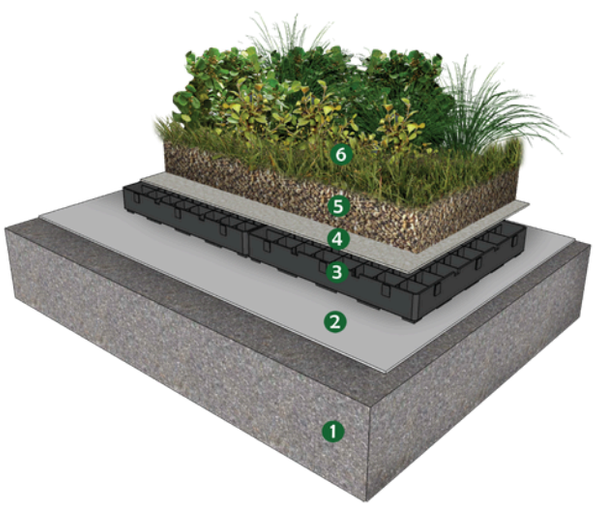
A modular green-roof tray that stores plenty of water to reduce irrigation and helps manage rainwater runoff. It has 64 built-in reservoirs (≈30.4 L/m²) that keep plants hydrated while slots and drains prevent waterlogging. Raised legs improve drainage, and interlocking sides keep trays securely in place.

APPLICATIONS:

- Extensive and semi-intensive green roofs
- Rooftop stormwater management
- Areas with foot traffic on green roofs
- Multi-tier or mixed-species planting designs

BENEFITS:

- High water storage reduces irrigation needs
- Helps manage rainwater and peak flow
- Strong, durable trays support foot traffic
- Prevents waterlogging with built-in drainage and raised legs
- Easy, secure installation with interlocking trays
- Low maintenance with clog-resistant design



(1) Roof Slab
(2) Root Barrier
(3) PlanterCell® 70
(4) Geotextile Layer
(5) Planting Media
(6) Selected Green Roof plants



Tech Specs		UOM	PlanterCell® 70
SEC Green Label			Yes
SGBC Green Product			✔✔✔✔
Material			100% Recycled PP
Colour			Black
Size:	Height	mm	70
	Width	mm	500
	Length	mm	500
Pieces per m² Area		pc	4
Nominal Weight:	Planted	kg/m²	145 to 160
Cells (Reservoirs)		nos.	8 x 8
Water Storage	Capacity	l/m²	>32
Flow Rate		l/m/s	13
Compressive Strength		$tonnes_f/m^2$	>50
Planting			Intensive Extensive

SEC = Singapore Environment Council
SGBC = Singapore Green Building Council

Fire resistant version available. Please contact us for more informat

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