



green
SQUARED

A modular roof planter designed for South African conditions

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ABOUT US

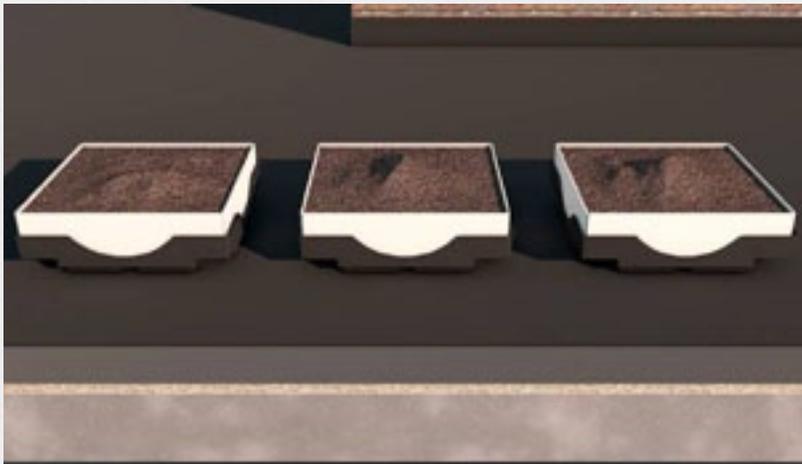
Green Squared is a South African company, manufacturing and supplying products for the Green Building Industry. The **R3 roof planter** is an exciting new product that is the result of a collaborative effort between horticulturists, architects, landscape architects, mechanical engineers and manufacturers. Having shared a wealth of knowledge and experience and evaluating the best international practices, a product suitable for the harsh South-African conditions is now available.

Serious about sustainable living, we aim to supply high performance products for the Green Building Industry. We want to leave a large green footprint rather than a large carbon print.

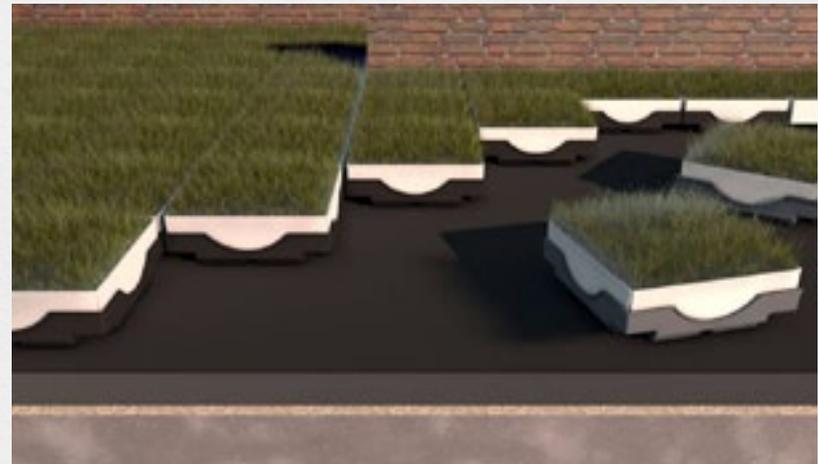


R3 ROOF PLANTER

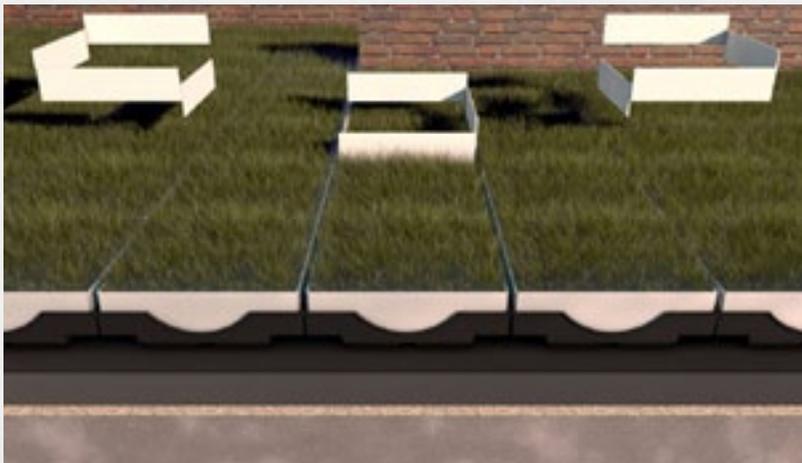
Planter with raised soil level



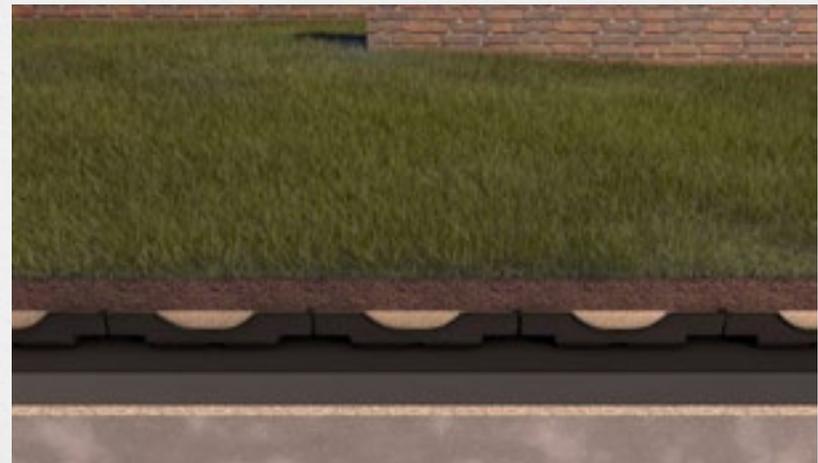
Position pre-grown planters



Remove plastic inserts



Instantly vested garden with continuous layer of soil



LANDSCAPING BENEFITS

- Instantly vegetated garden with well rooted plants
- Grown plants and fewer weeds result in lower maintenance cost
- Depth of grow media can be adjusted according to plant selection
- Below surface irrigation using a dripper system
- Continues layer of soil with roots spreading across different planters
- Sufficient airflow under the planter to prevent root growth through the drain holes
- Water reservoirs in planter floor to retain water for longer periods between showers or irrigation
- The 450 x 450 planter size is practical in terms of handling, carrying and installation.

Instantly Vegetated Garden



Dripper System



Airflow Under The Planter



Water Reservoirs



ENGINEERING AND DESIGN ATTRIBUTES

- Reduced temperature in single story buildings (As much as 7 degrees on hottest days)
- No visual grid pattern typical of modular planters
- Planter size opens up detailed design possibilities. Planters can be cut and blanked off with an edging system
- Protect roof and water proofing membrane from UV and mechanical degradation
- Drainage channels below the planter allow for excellent drainage and keep the roof dry
- Designed to accommodate a pedestal system for 100% horizontal installations.



GREEN STAR RATING POINTS

The R3 roof planter can contribute towards achieving Green Star SA points under the following credits:

- Wat-03: Landscape irrigation
- Mat-03: Making use of recycled materials
- Enr-1: Greenhouse Gas Emissions
- Eco-4: Change of Ecological Value
- Eco-5: Urban Heat Island



CONTACT US

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