



UnitedAg

ROMBUS by United Ag

Stronger - Faster - Greener - Concrete Solutions

*Rombus is a high-performance modular pavement system
proudly distributed by United Ag*

SAME STRENGTH - LESS CONCRETE - FAST INSTALL

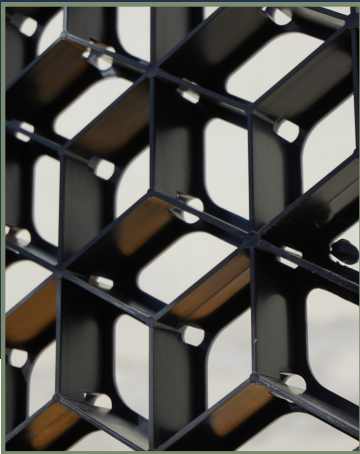
ROMBUS Grid V1

Stronger, Smoother and Built for Heavier Loads up to 10,000 tonnes per m²

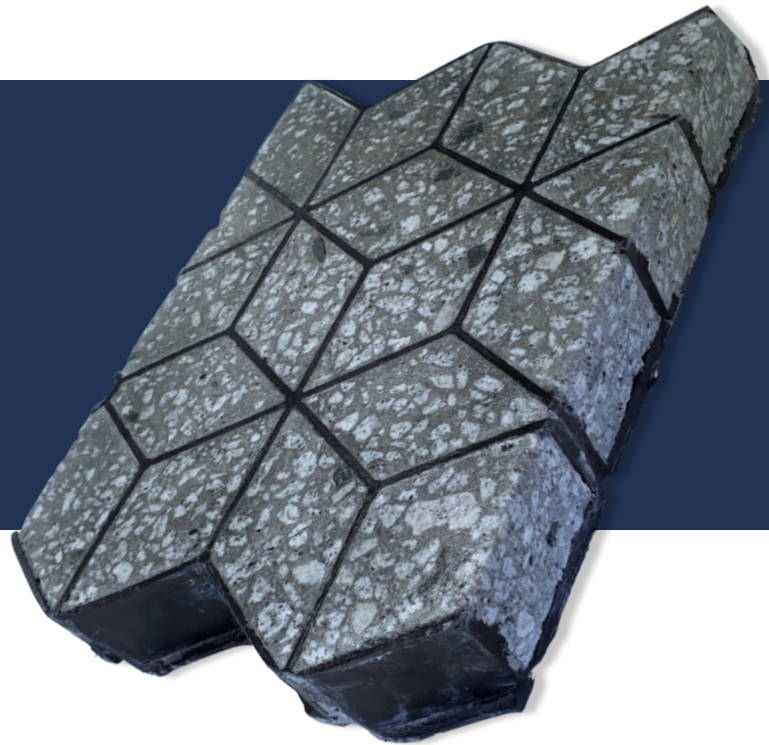
Rombus Grid is an innovative "Hybrid Pavement Technology" that is modular, ecofriendly & the first of its kind. It has been engineered for use as an alternative to the traditional concrete slab, with a wide range of applications. This system is a cost-effective substitute for a concrete slab installed on the ground with exceptional results.

Installation is a simple three-stage process: ground preparation, grid installation, and filling with the Rombus approved 32MPa mix design. This system has been tested to withstand loads exceeding 10,000 tonnes per square metre.

EMPTY GRID



HONED & POLISHED



ROMBUS Grid V1

Size: 1000mm x 1000mm x 40mm

Gross Area per Sheet: 1m²

Concrete Required p/100m² - 3.8m³

Rombus Grid is lightweight, low-profile & easy to handle.
Designed for fast, efficient installs without compromising strength or durability.



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Authorised Distributor of Rombus

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ROMBUS Grid V1 Specifications



Measurements	1000mm x 1000mm (+/-0.8% due to thermal effects)
Internal Cell Size (Point to Point)	91mm x 56.5mm
Internal Cell Size (Wall to Wall)	50.5mm x 50.5mm
Cell Wall Thickness	3mm
Crush Resistance (Empty Grid) @ 20 Degrees C	400+ tonne/m2
Crush Resistance (Filled with Concrete 32Mpa 10mm aggregate) @ 20 Degrees C	10,000+ tonne/m2
Weight per Grid	~5.35kg
Fillable Volume	~0.033m3 per m2 (Recommend 0.038m3/m2 to account for wastage)
Permeability (Concrete Filled)	15-25%
Permeability (Aggregate Filled)	Up to 97% (maximum aggregate size of 7 mm and 0% passing the 0.075 mm sieve)
Material	96% Recycled Polypropylene + 3% Carbon Black + 1% (Performance Enhancing Additives-Not to be disclosed)
Tensile Strength of Material (ASTM D638)	>19.6MPa
Izod Impact Strength of Material (ASTM D256)	>7kg-cm/cm
Flexural modulus of Material (ASTM D790)	>980 Mpa
Melt Flow Index of Material (ISO 180/1A)	8 – 12 kJ/m ²
Colour	Black
Chemical Resistance	High
Toxicity	Non Toxic
UV Stabiliser	3% Carbon Black Master Batch Additive
UV Resistance	High



United Ag is a proud Authorised Distributor of Rombus, an Australian-owned, designed & manufactured innovation built using locally recycled plastic. Engineered for strength, sustainability & performance, it delivers smart surface solutions built to withstand Australia's toughest conditions.

Representing true innovation & durability, the Rombus range reflects United Ag's commitment to delivering smarter, stronger & more sustainable solutions nationwide.