



# UnitedAg

Uniting Innovation and Australian Enterprise



## FLEXIBLE CONCRETE PAVEMENT

**BUILT TO HANDLE HEAVY MACHINERY | NEVER THICKER THAN 4CM**

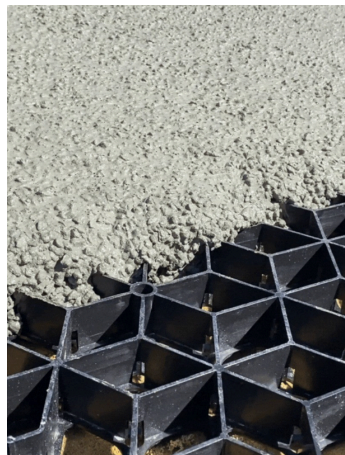
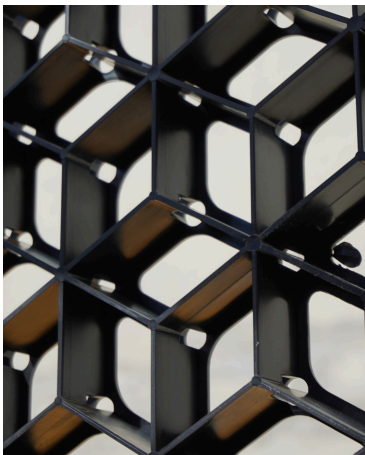
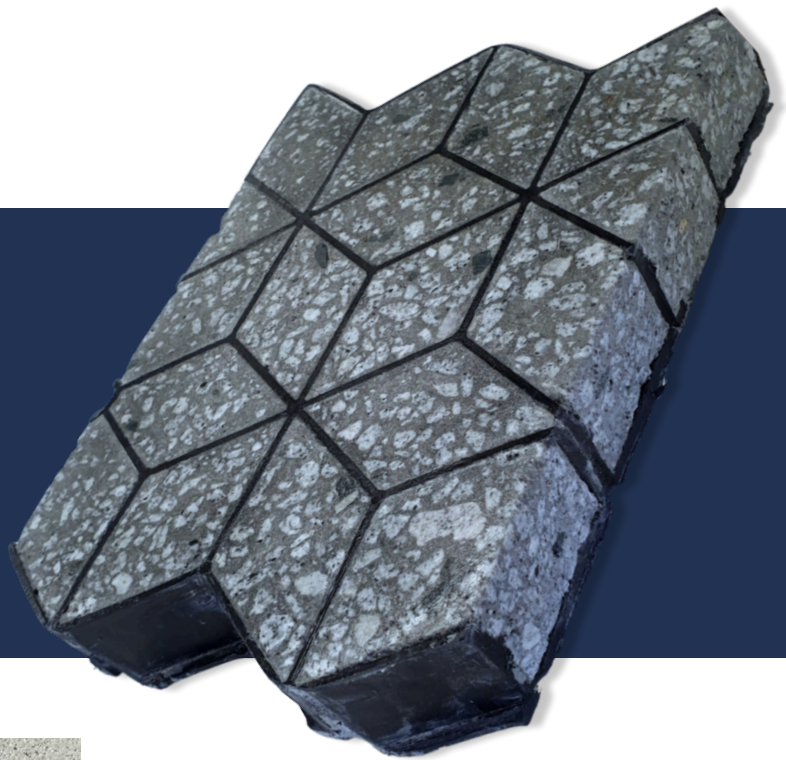
*Rombus Grid* is an innovative “Hybrid Pavement Technology” that is modular, ecofriendly and the first of its kind. It has been engineered for use as an alternative to the traditional concrete slab, with a wide range of applications. This system is a cost-effective substitute for a concrete slab installed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



Rombus is a proudly Australian-owned, designed, and manufactured product. Made in Adelaide using recycled Australian plastic, *Rombus* delivers smart, sustainable surface solutions, built to withstand tough conditions.

*Rombus* represents innovation and durability, now available through United Ag as an authorised distributor.



### ROMBUS GRID QUICK VIEW

**Size:** 1000mm x 1000mm x 40mm

**Weight:** 5.4kg Colour: Black

Lightweight, low-profile, and easy to handle. Designed for fast, efficient installs without compromising strength or durability.



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## GRID SPECIFICATIONS

Measurements	1000mm x 1000mm (+/-0.8% <i>due to thermal effects</i> )
Internal Cell Size ( <i>Point to Point</i> )	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/m <sup>2</sup>
Crush Resistance (Filled with Concrete 32Mpa 10mm aggregate) @ 20 Degrees C	10,000+ tonne/m <sup>2</sup>
Weight per Grid	~5.35kg
Fillable Volume	~0.033m <sup>3</sup> per m <sup>2</sup> ( <i>Recommend 0.038m<sup>3</sup>/m<sup>2</sup> to account for wastage</i> )
Permeability (Concrete Filled)	15-25%
Permeability (Aggregate Filled)	Up to 97% ( <i>maximum aggregate size of 7 mm and 0% passing the 0.075 mm sieve</i> )
Material	96% Recycled Polypropylene + 3% Carbon Black + 1% ( <i>Performance Enhancing Additives-Not to be disclosed</i> )
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 <sup>2</sup>
Colour	Black
Chemical Resistance	High
Toxicity	Non Toxic
UV Stabiliser	3% Carbon Black Master Batch Additive
UV Resistance	High

**Contact United Ag Today!**



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