



# 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 an easy 3 stage process consisting of ground preparation, grid install and fill then finish with Rombus approved mix design. Installed with the 32MPa, Rombus approved mix design, it has been tested for a load rating of greater than 10,000 tonnes per square.



Rombus is proudly Aussie—owned, designed, and made. Manufactured in Adelaide from recycled Australian plastic, with our head office in Perth, we’re all about smart, sustainable surfaces built for tough conditions.



## 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.

## Rombus Grid Specification

Measurements	1000mm x 1000mm (+/-0.8% due to thermal effects)
Internal Cell Size ( <i>Point to Point</i> )	91mm x 56.5mm
Internal Cell Size ( <i>Wall to Wall</i> )	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

### START YOUR PROJECT TODAY!

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