



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 Fusion V2

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

Rombus Fusion V2 builds on the trusted performance of the original **Grid** with added strength, speed & simplicity. The thicker profile, upgraded hexagonal cell structure, and overlapping joints deliver superior load distribution and a smoother, more seamless finish, ideal for high-traffic and fatigue-prone areas.

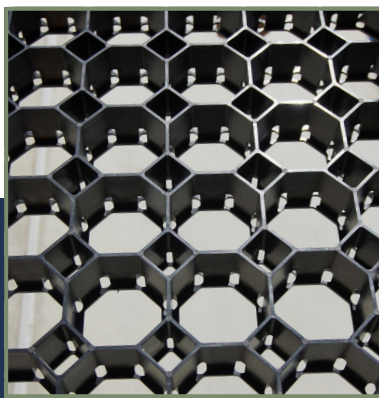
Designed to cover more ground per sheet, eliminate the need for expansion joints, and streamline installation, Fusion V2 saves time without compromising durability or performance.

Proudly engineered and manufactured in Australia, it offers a sustainable, high-strength surface solution for modern infrastructure.

Built to perform across industries, from mining, transport & logistics to agriculture, construction & warehousing.



HONED FINISH



EMPTY GRID

ROMBUS Fusion V2 : Quick View

Size: 1166mm x 1166mm x 48mm

Gross Area per Sheet: 1.36m²

Concrete Required p/100m² - 4.6m³

Fusion V2 takes the trusted Rombus Grid to the next level. Stronger, smoother & built for heavier loads.



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.



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Authorised Distributor of Rombus

Tim McFarlane

0419 333 799

sales@unitedag.com.au

www.unitedag.com.au

PANEL DIMENSIONS & EFFECTIVE COVERAGE

Overall Sheet Dimensions	1166mm x 1166mm x 48mm
Effective Net Cover	1085mm x 1085mm (Due to overlap jointing arrangement)
Net Coverage per Sheet	1.18 m ²
Gross Area per Sheet	1.36m ²
Overlap Width	81mm per side (top and left edges)

PACKAGING DETAILS

Sheets per Pallet	46
Coverage per Pallet	54.3m ²
Pallet Dimensions	1165mm x 1165mm x 2328mm
Pallet Weight	~285kg

FILL SPECIFICATIONS

Fill Material	15-50 MPa concrete Assumes Standard 10mm aggregate
Fill Depth (Cell Depth)	48mm (0.048 m)
Concrete Volume per Sheet	~0.0537m ³
Concrete Volume per m ²	~0.0458m ³
Sheets per m ³ of Concrete	~18.6 (~22m ²)
Concrete Required per 100 m ²	~4.6m ³
Concrete per Pallet(46 sheets)	~2.47m ³

STRUCTURAL BEHAVIOUR (INITIAL PERFORMANCE INSIGHT)

Modular panel resists vertical compression through lateral load distribution.

Controlled micro-deflection under load improves subgrade interface friction.

V2 system includes joint overlaps for shear load transfer and lock-in alignment.

V2 system appears to accommodate thermal expansion and contraction within the confines of each individual cell, reducing system-wide stress.

Polymer blend:

Recycled PP Copolymer with black masterbatch and filler

MATERIAL PROPERTIES — POLYPROPYLENE GRID

Density	0.92 – 0.9 g/cm ³	Ecoblue / Internal
Melt Flow Index (230°C, 2.16kg)	5 – 10 g/10min	ASTM D1238
Tensile Strength	≥ 22 MPa	ASTM D638
Elongation at Break	≥ 20%	ASTM D638
Flexural Modulus	≥ 900 MPa	ASTM D790
Notched Izod Impact	≥ 100 J/m	ASTM D256
Ash Content	2 – 6%	ASTM D5630
UV Resistance	Pending	ASTM G154 (planned)
Creep Resistance	Pending	ASTM D2990 (planned)

