FUSION V2

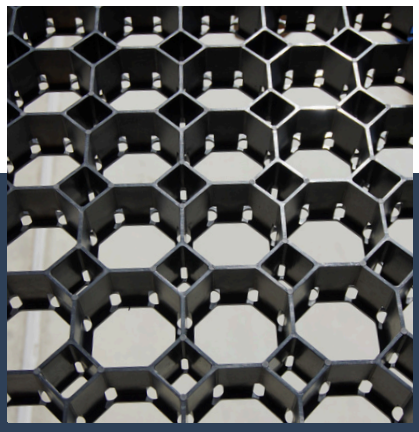
STRONGER, SMOOTHER, AND BUILT FOR HEAVIER LOADS

Rombus Fusion V2 builds on the trusted performance of our original grid with added strength, speed, and simplicity. Its thicker profile, upgraded hexagonal cell structure, and overlapping joints offer improved load distribution and a smoother, more seamless finish, especially in high traffic or fatigue prone areas.

It's designed to cover more ground per sheet, reduce the need for expansion joints, and streamline installs. Saving time without compromising durability.

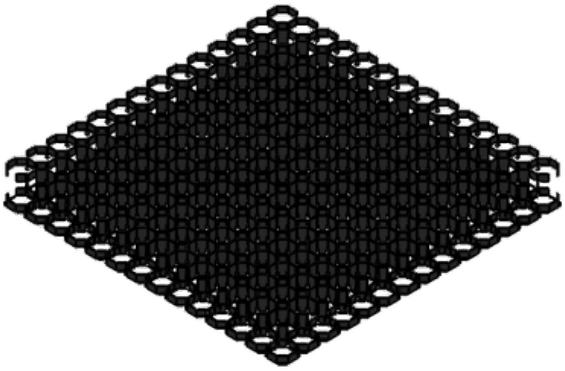
Ideal for container yards, mining, and repeated-load zones, Fusion V2 is the go-to when you need a smarter, cleaner, heavy-duty solution.

HONED FINISH



CLOSE UP OF EMPTY GRID

4 SHEETS JOINED



ROMBUS FUSION V2 QUICK VIEW

Size: 1166mm x 1166mm x 48mm
Gross Area per Sheet: 1.36 m²
Colour: Black

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

Rombus Fusion V2 Specification

PANEL DIMENSIONS & EFFECTIVE COVERAGE

Overall Sheet Dimensions	1166mm x 1166mm x 48mm
Effective Net Cover	1085mm × 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)

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.

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	~0.0537m3
Concrete Volume per m^2	~0.0458m3
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.

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)

Polymer blend: Recycled PP Copolymer with black masterbatch and filler.