



UnitedAg

Uniting Innovation and Australian Enterprise



FLEXIBLE CONCRETE PAVEMENT

BUILT TO HANDLE HEAVY MACHINERY | NEVER THICKER THAN 4CM

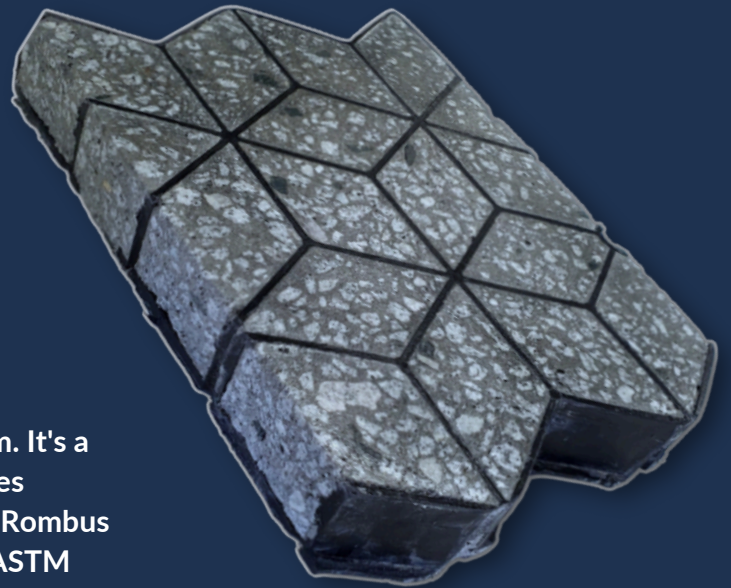
Rombus delivers smarter, greener, and more efficient engineering solutions, offering high-performance concrete slabs, pavements, and hardstands, all tailored to the unique demands of each project.





SUPER STRONG CONCRETE

Rombus is not your ordinary pavement system. It's a flexible and sustainable solution that surpasses traditional asphalt and concrete alternatives. *Rombus* has undergone rigorous testing, adhering to ASTM standards, ensuring reliability and compliance with industry benchmarks.



What's It All About

Rombus flexible pavement is a revolutionary solution designed for durable, dust-free, and gravel-free surfaces. Combining the flexibility of asphalt with the strength of concrete, it's built to last longer and perform better.

Manufactured in Australia using locally sourced recycled plastic, it's a sustainable choice that supports local innovation. At only 40mm thick, *Rombus* is faster to install, stronger, and more cost-effective than traditional concrete or other alternatives.

Its innovative design allows for quick in-place repairs when needed, saving time and eliminating the hassle of full-depth repairs. What sets *Rombus* apart is its advanced durability and affordability. It outperforms traditional materials in strength while reducing installation time and costs. This makes it ideal for projects requiring reliable, high-performing surfaces.

Partnered with RMIT University driving continuous innovation, leveraging leading research and cutting-edge techniques. *Rombus* is shaping the future of pavement technology with smarter, greener, and more efficient solutions.



Uses

The **Rombus** grid solution is versatile and can be used across a wide variety of applications that involve concrete slabs or pavements. These include, but are not limited to, residential, commercial, industrial, and agricultural projects such as driveways, parking lots, footpaths, patios, shed floors, and hardstands.

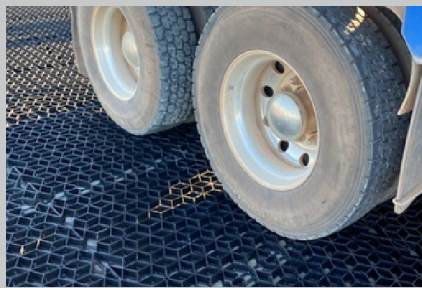
Additionally, it is suitable for specialised applications like sports surfaces, boat ramps, farm-related installations, and large-scale projects such as runways, aprons, and dome shelter foundations. This adaptability makes it an ideal choice for reinforcing and stabilising concrete surfaces in diverse environments.

Benefits & Advantages

The Rombus grid solution is an efficient and cost-effective option that offers:

- 40% faster installation and 33% less labor
- 1 cubic meter of concrete per 25 m²
- 100% Australian-made, responsibly sourced recycled plastic
- Reduced earthworks, no control or expansion joints
- No pump trucks, no form or steelwork
- Non-destructive sub-grade repairs
- Easy, fast, and efficient with a focus on whole-of-life value

***Streamlined installation, reduced costs & enhanced durability.
The ideal choice for any concrete pavement or slab project.***



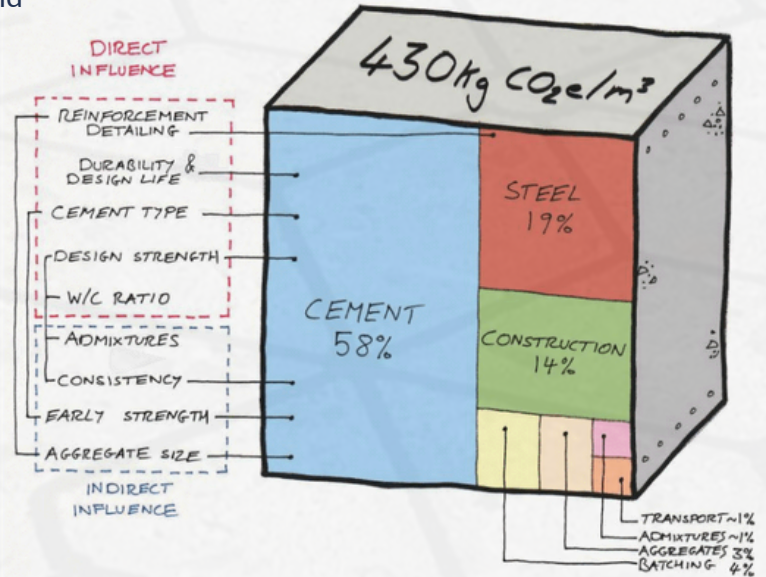


The Rombus Solution

Reducing the amount of concrete used globally can bring numerous environmental and social benefits, including reduced greenhouse gas emissions, preservation of natural resources, improved air quality, and cost savings.

The production of concrete requires significant amounts of fossil fuels, water and sand, and releases air pollutants.

By reducing the amount of concrete used, we can reduce the carbon footprint, conserve resources and improve air quality.



How We Do It

Rombus transforms waste into opportunity. By recycling materials and contributing to the circular economy, we turn what would otherwise be discarded, into valuable, innovative solutions for the construction industry.

Our smarter, greener approach reduces environmental impact while creating high-performing infrastructure. Our unique method is just 40mm thick, significantly reducing the need for excessive concrete and cutting down on carbon emissions. This slim profile ensures we use fewer resources while maintaining the strength and durability needed for long-lasting results.





STRONGER

- 10,900 tonnes of compressive strength per m² when filled with concrete
- Comprehensive strength of 4,000 tonne per m² when using granular materials such as road base or limestone aggregates.



FASTER

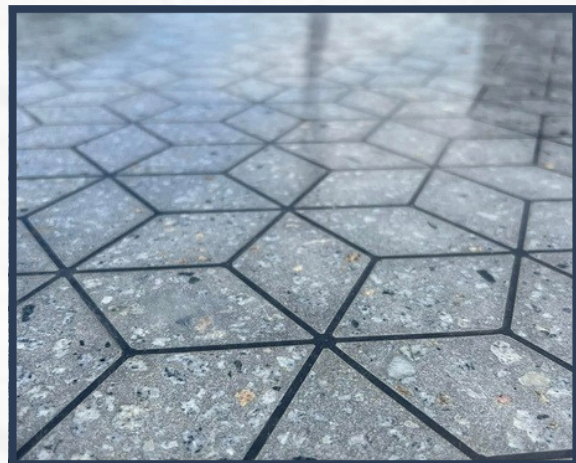


- Versatile grid is easily deployed, installed and easily removed for any unforeseen subsurface repair.
- Easily be used as a drainage solution within a pavement by using permeable aggregates in nominated areas.



GREENER

- Passionate about industrial sustainability, Rombus requires 5.4kgs of 100% responsibly sourced recycled plastic per m²
- At only 40mm thick significantly reducing the need for excessive concrete, consequently reducing the carbon footprint.





UnitedAg

Tim McFarlane
Director

☎ 0419 333 799

✉ tim@unitedag.com.au

🌐 www.unitedag.com.au



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INDUSTRIES

THE WORLD'S FIRST FLEXIBLE CONCRETE