



FLEXIBLE CONCRETE PAVEMENT | BUILT TO HANDLE HEAVY MACHINERY | NEVER THICKER THAN 4CM

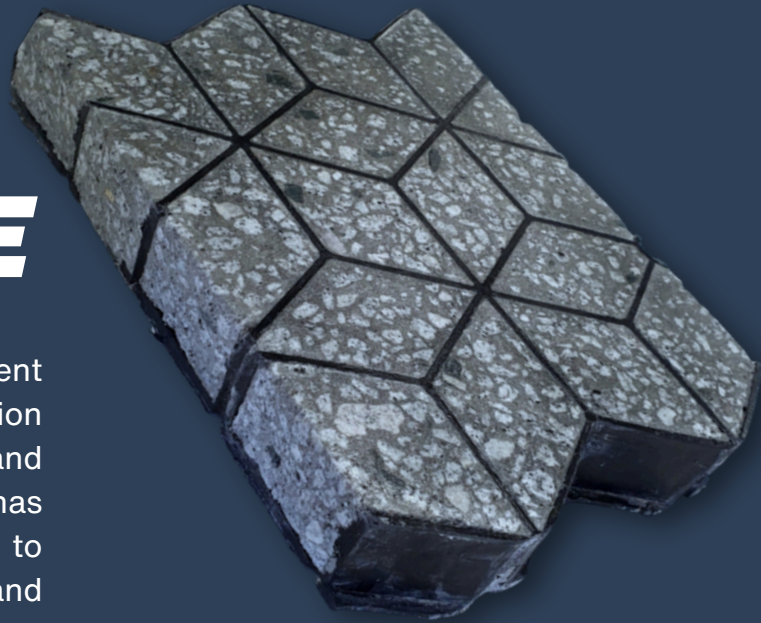


Delivering greener, faster, stronger, and smarter engineering solutions, providing high-quality concrete slabs, pavements, and hardstands that meet the unique needs of every project.



# ***SUPER STRONG CONCRETE***

Rombus is not your ordinary pavement system. It's a flexible and sustainable solution that surpasses traditional asphalt and concrete alternatives. Our product 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.

Our partnership with RMIT University drives continuous innovation, leveraging leading research and cutting-edge techniques. Together, we're 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 specialized 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 stabilizing 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 m<sup>2</sup>
- 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

It streamlines installation, cuts costs, and enhances durability, making it the ideal choice for any concrete pavement or slab project.

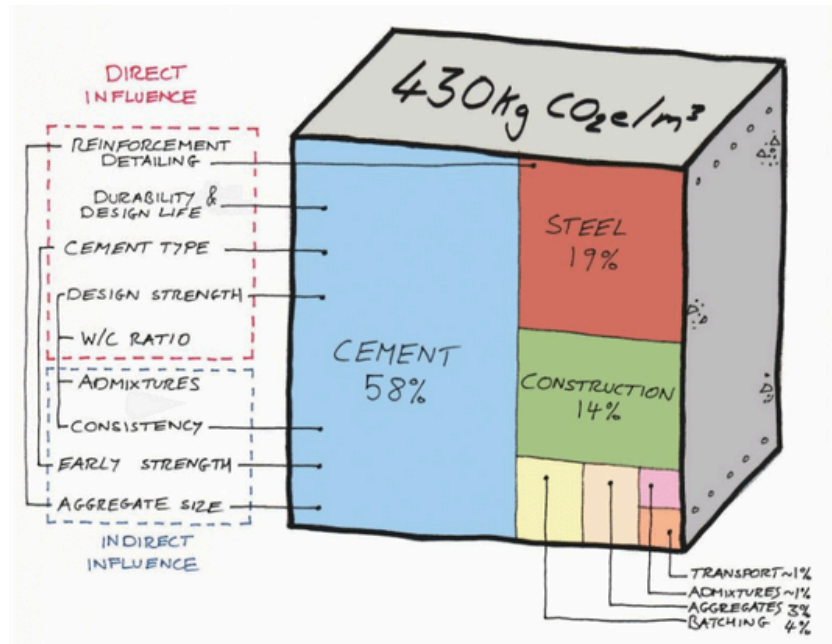




## The Rombus Solution

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 the local 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.

**100 %  
Recycled**







## WE ARE STRONGER

Able to handle 10,900 tonnes of compressive strength per m<sup>2</sup> when filled with concrete, and an impressive comprehensive strength of 4,000 tonne per m<sup>2</sup> when using granular materials such as road base or limestone aggregates.



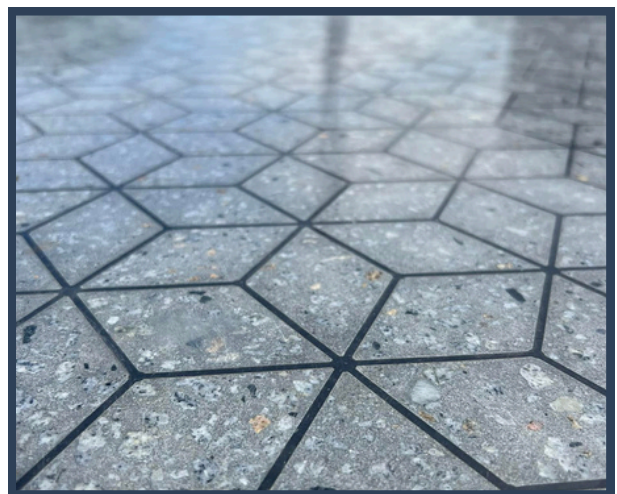
## AND FASTER

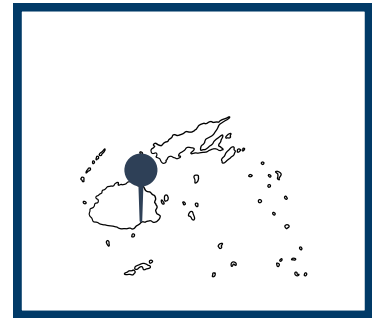
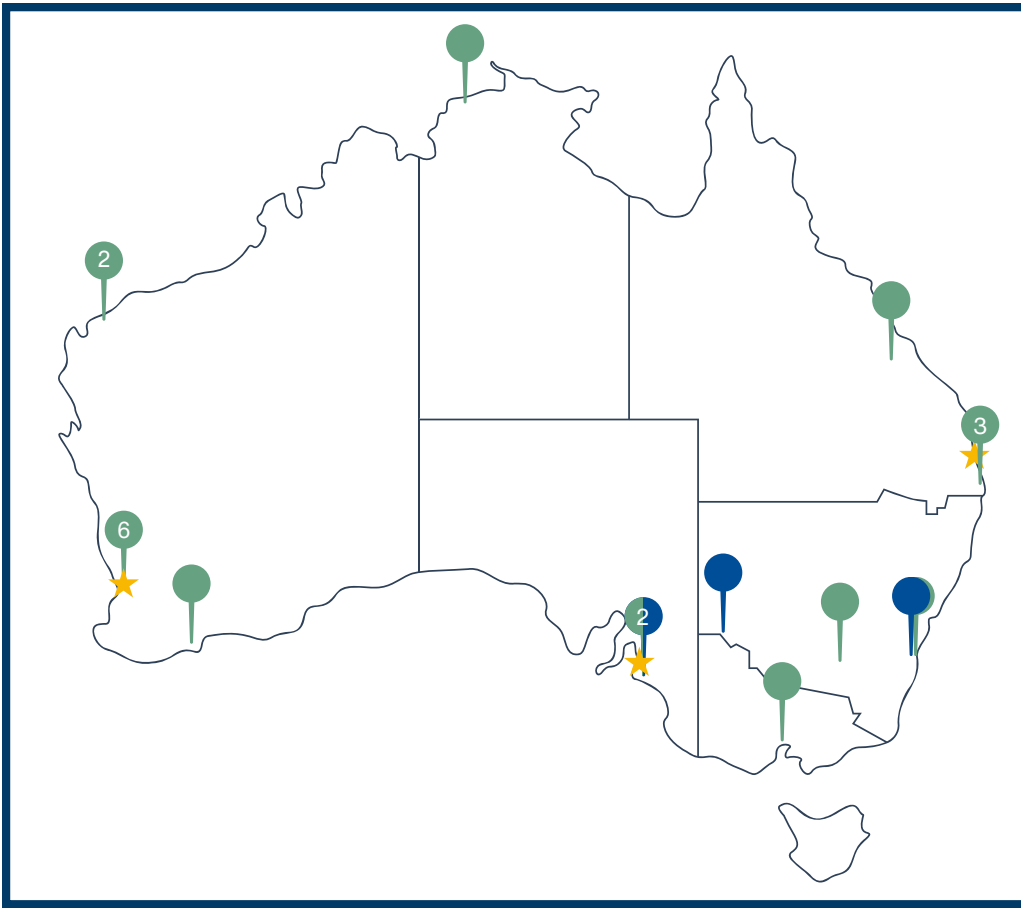
Our incredibly versatile grid is easily deployed, installed and can be removed for any unforeseen subsurface repair. It can easily be used as a drainage solution within a pavement by using permeable aggregates in nominated areas.



## GREENER

Passionate about industrial sustainability, we use 5.4kgs of 100% responsibly sourced recycled plastic per m<sup>2</sup>, and at only 40mm thick we significantly reduce the need for excessive concrete consequently reducing the carbon footprint.





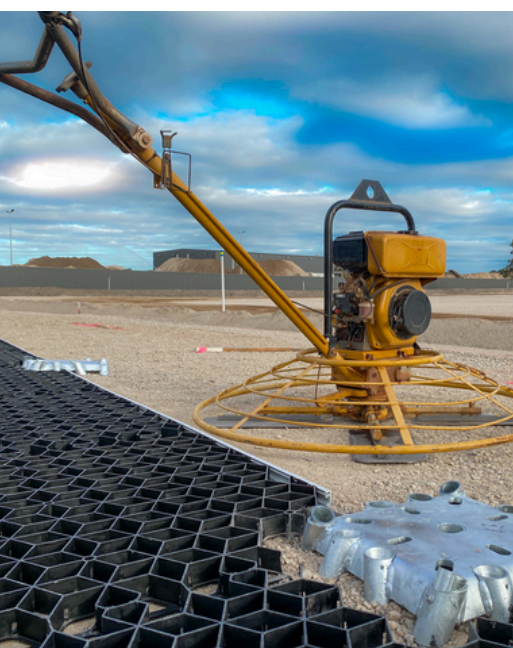
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Kunda Park, Queensland

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- Bithuwarnda Raptor Group
- C& s it Pty Ltd
- Canzac
- Concrete Solutions
- Consol WA
- Contemporary Living Solutions
- Creative Concrete & Formwork Pty Ltd
- Earthart
- FR Industries Concreters & Construction Supplies

- GCH Construction
- HDF Corp
- Jubilee Living
- LMW Carpentry & Construction
- Multiplant
- Nabb Group
- Raptor Hire WA
- Smart Stone
- Stanley Rigging and Construction
- Stockdale Building Company
- Synthetic Bowling Solutions
- Ternary Aboriginal and Torres Strait Islander Corporation
- The Jonesz





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