

Premier Hydropavers®

Sustainable and attractive
ceramic permeable pavers
that eliminate
water run-off issues





Introducing Premier Hydropavers®

Premier Pavers & Stone is pleased to bring Premier Hydropavers®, a range of totally permeable pavers, exclusively to Australia. The need for hard surfaces that allow water to drain naturally has increased substantially. Environmental imperatives and Council requirements are now a reality, not to mention the practicalities like constructing car parks and footpaths that don't puddle.

How do Premier Hydropavers® work?

Premier Hydropavers® behave like a sponge. Run-off is reduced in two distinct ways.

First and most importantly, they ABSORB the rainwater within the paver. For example, if 5mm of rain falls over an hour, all the rainwater will be retained inside a 55mm paver. (Melbourne rainfall averages around 2mm per day.) This rainwater can then evaporate back into the atmosphere following the rain event.

Secondly, again like a sponge, once the brick is saturated, the rainwater will flow out of the paver into the underlay. Typically, this is an aggregate bedding but the installation design depends on the geotechnical features of the site. Because of the way Premier Hydropavers® behave, compaction of the ground (by vehicle traffic, for example) is much less of an issue.

The Premier Hydropavers® permeable paving solution is a ceramic product compressed at 1600 tonnes and baked at 1200°C. High compressive strength and durability mean the permeable pavers have a very long life, remain colourfast and keep their appearance for years to come.

Premier Hydropavers® are available in 600 x 300 , 300 x 300 , and 200 x 100 sizes with a thickness of 55mm and come in an attractive colour range. Other sizes and colours are available to order.

Your paved surface will remain permeable for its lifetime. Some concrete paving products call themselves permeable but they rely entirely on the spaces left between the pavers- which can clog up. Council requirements may well toughen up in this area.

Premier Hydropavers® are very strong and easy to lay. Pavers in our 600 x 300 and 300x300 format are significantly larger than the concrete alternatives. With a competitive price point, it's worth calling us today to discover how these permeable pavers can turn your paving project into a good looking, long lasting, quick draining success.

The Premier Hydropavers® difference

- Unlike conventional concrete alternatives, which rely entirely on larger gaps between the pavers that cause loss of permeability when clogged, the advanced structure of the Premier Hydropavers® ensures that full permeability is maintained at all times.

Note: There are so-called "porous" pavers on the market which are made of concrete with no fines (small particles), making the concrete porous. The voids in porous pavers reduce strength (light vehicle traffic only), encourage clogging (which reduces permeability) and give the paver a rough, hard-to-clean appearance.

- Easy maintenance: Pavers can be easily power washed - cheaper and less frequent maintenance than concrete alternatives
- No sealing required, which saves costs and reduces installation time
- Because they are ceramic-based, the pavers will keep their strength and appearance for a lifetime. (Save BIG \$\$\$)

Advantages of Premier Hydropavers®

Good water permeability

Water can flow naturally and quickly through the permeable paving, allowing quick and even dispersal. Avoids rapid run-off and erosion, heavy flows in city drainage systems and uneven settling of paving due to irregular distribution of groundwater.

A whole new way of looking at drainage

After installing Premier Hydropavers®, the whole paved area becomes a storm drain. Water no longer has to be sloped into drain gratings. Paved areas can even become the source of water storage from a plaza, path or driveway. The paving filters the water. Engineers will be looking at storm water management with a new “tool in the box”.



Easier Planning Approvals

With hardscaped areas able to be made completely permeable ('non-impermeable' in Council jargon) it is much easier to achieve the required permeable area.

Regular surface temperature

The excellent permeability of the paving surface creates a regulated surface temperature and surface humidity. Avoids the 'heat island phenomenon'.

Versatile, good looking, non-slip

Premier Hydropavers® are suitable for surfaces from public spaces, walkways and plazas, to flooring in interior wet areas, providing an attractive surface and anti-skid surface for safety and aesthetic appeal. Baked-in colours stay sharp for years - no fading.

Safety and comfort

Permeable driving surfaces mean no pooling of water and reduced light reflection at night. Drier pavements and roads are far safer and more pleasant for pedestrians and drivers.

Dispersal of water haze

In city areas, large areas of non-porous surfaces can lead to excess moisture in the air, which contributes to the lingering effect of urban pollution. Permeable paving helps water disperse naturally, and allows particulates to settle from the atmosphere faster.

Noise reduction

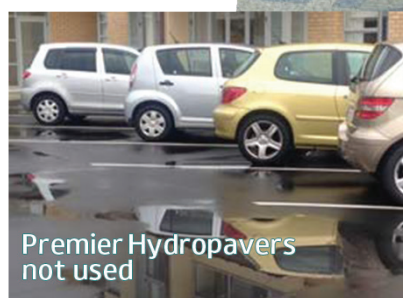
They can absorb vehicle noise and city hubbub, contributing to a peaceful environment.

Benefits to Environment

Tests show that storm water can pass through Premier Hydropavers® at the rate of more than 60mm per hour (Melbourne's average rainfall is ~55mm per month).

So the pavers:

- Prevent storm water run-off and increase the underground water supply
- Prevent soil erosion caused by storm water run-off
- Prevent solid waste from entering rivers, oceans and underground water supplies





Premier Hydropavers® is a permeable paving product introduced to Australia by Premier Pavers & Stone, sourced from one of the largest manufacturers of ceramic tiles in China. Premier has an exclusive agreement with JiangXi Lvdao Technology Co. Ltd to market and supply their Ecological Water Permeable Ceramic Brick* exclusively in Australia as Premier Hydropavers®.

*This product is patented in the People's Republic of China and is also marketed exclusively in New Zealand by Jagas Paving Ltd.

“Premier Hydropavers® are the most advanced permeable paving solution I’ve come across.

THEY WORK!! They are attractive and come in a great range of sizes and colours.”

- Nicolaas van Diemen,
ISSI Fellow in Permeable Paving Systems



Premier Hydropavers® range of colours:

Technical datasheet (specifications and laying guidelines) and test information available on request.



Dark Charcoal
600 x 300 x 55mm
300 x 300 x 55mm
200 x 100 x 55mm



Charcoal
300 x 300 x 55mm
200 x 100 x 55mm



Dark Grey
600 x 300 x 55mm
300 x 300 x 55mm
200 x 100 x 55mm



Silver
300 x 300 x 55mm
200 x 100 x 55mm



Sand
300 x 300 x 55mm
200 x 100 x 55mm

Premier
Hydropavers®

Premier Pavers & Stone

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Premier Hydropavers® application areas:

- Public and private plazas/courtyards
- Car parks, Footpaths and walkways
- Pool areas and Roof terraces
- Green building projects
- Shopping centers
- Driveways for residential homes and multi-dwelling developments
- Industrial hard-stand storage areas