

# Hydropavers Interlockers™



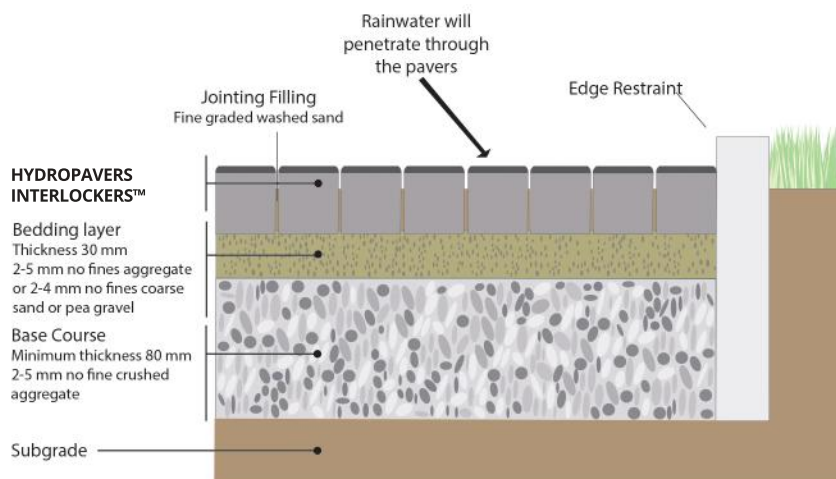
**When 60 mm is equivalent to 80 mm**



# Increase the value of your projects

Complying with Australian Council permeability quotas, Hydropavers Interlockers™ can significantly increase sustainability, decrease environmental impacts and reduce costs enhancing your project value and return on investment.

Hydropavers Interlockers™ are a patented permeable paving system (Patent No. 2020101094, International Patents Pending), which act like a sponge by soaking up water and filtering it down to the prepared sub-base and subgrade beneath the surface. Hydropavers Interlockers™ are eco-friendly, sustainable and highly effective at reducing stormwater run-off and pollutants, saving and keeping up to 95% of rainwater on local sites. It helps to reduce the cost for on-site drainage and stormwater management system.



## Hydropavers Interlockers™ *where sustainability meets profitability*

Using Hydropavers Interlockers™ pavers can save developers on transport costs due to **lower weight and smaller sizes**. The installation process is easier and more **efficient** for landscapers and builders, compared to laying normal 80 mm pavers, as they require **less effort and labour** to install.

Hydropavers Interlockers™ are aggregated interlocking pavers -permeable across the entire surface and body of the paver, maximising the water absorption rate of the paving system.

Hydropavers Interlockers™ are categorised as Type-A segmental pavers which interlock with each other regardless of the laying pattern, **resisting any sideways movement or shifting** on both axes, making them perfect for use in industrial, commercial and multi-residential applications where sustainable stormwater water management is required.

The AS/NZS 4456 standard for segmental pavers, requires 80 mm thick pavers with a minimum breaking load of **10 kN** for commercial and industrial applications. However, with our advanced manufacturing process and special admixture, **Hydropavers Interlockers™** have a breaking load of more than **11.8 kN** at a thickness of just **60 mm**. Combined with their interlocking design, **Hydropavers Interlockers™** are especially suitable for areas with heavy industrial vehicular traffic.

### Hydropavers Interlockers™ Applications

Hydropavers Interlockers™ are suitable for heavy industrial hardstand paving. They have been tested by a NATA accredited laboratory and have been proven on large industrial paving projects, including:

- ✓ **Government and council projects**
- ✓ **Paved roads and car parks**
- ✓ **Shopping centres**
- ✓ **Streetscapes and footpaths**
- ✓ **Residential and commercial driveways.**
- ✓ **Industrial hardstands**



### Eco-friendly and Sustainable



Pollutants like organic waste and vehicle fluids on non-permeable pavements mix with stormwater and flow into our waterways. This creates a perfect environment for algae to grow, causing our rivers and lakes to be inundated with algae clouds that block sunlight and deteriorate the fragile ecosystem.

Hydropavers Interlockers™ permeable pavers **treat, detain and infiltrate** stormwater runoff locally, **preserving both water quantity and water quality**. Contaminants are **filtered out** of the water via the **adsorption process** before they reach the subgrade, providing clean water to nourish trees or replenish the natural ecosystem.

The pavers contribute to managing stormwater efficiently by re-establishing a natural hydrologic balance and reducing the volume of run-off, minimising the volume of rainwater entering storm drains.



# Hydropavers Interlockers™ features and benefits



## Incredible strength and durability

At a thickness of just 60 mm, Hydropavers Interlockers™ have been tested against the AS/NZS 4456 standard for segmental pavers, achieving a breaking load of more than 10 kN. This is higher than the requirement for 80 mm pavers. The high breaking load and interlocking design ensures that Hydropavers Interlockers™ will not crack, move or shift under vehicular torque, making them the ideal solution for all areas carrying industrial or residential traffic.



## Super high permeability

Unlike other conventional so-called “permeable pavers” on the market - which allow rainwater to infiltrate through small channels or joints on the ends and sides of the pavers - Hydropavers Interlockers™ are 100% permeable across their entire surface and body. They are capable of permeating rainfall at the rate of 1500 mm/hour, saving up to 95% of rainwater.



## Transferrable Lifetime Warranty

The structural integrity of Hydropavers Interlockers™ is backed by a transferrable Lifetime Warranty\*. The warranty covers any structural deterioration or damage to the pavers resulting from regular use. The warranty attaches to the product rather than remaining with the original purchaser, thereby ensuring permanent risk-free cover for the life of the installation.

\* conditions apply



## Financial benefits

The use of Hydropavers Interlockers™ reduces the need for stormwater drains, retention ponds or storm sewers, leading to a reduction in development costs. The ease of obtaining planning approval helps to reduce interest and holding costs, while competitive product pricing coupled with lower transport and installation costs (due to lighter weight) all add to the overall savings on any project.



## Easier planning approval

All levels of government around the world and in Australia are increasing their requirements for on-site water saving solutions to be applied to all paved areas. Hydropavers Interlockers™ comply with all AS/NZS 4456 standards, making it easier to satisfy and meet local permeability quotas.



## Urban heat island

Many research papers show that the temperature of permeable pavements is significantly lower than impervious surfaces such as asphalt.

Hydropavers Interlockers™ have a water retention capability that helps regulate surface temperatures and humidity, mitigating the urban heat island effect.



## Easy maintenance

Hydropavers Interlockers™ require the same maintenance regime as any other impervious paved area and can easily be swept or cleaned by a high-pressure wash. Unlike other conventional “permeable pavers”, water permeates the surface of Hydropavers Interlockers™, so they do not get clogged with debris. They maintain their permeability for a lifetime with minimal attention.



## Safety and comfort

Rather than leaving puddles on top of the pavement, rainwater seeps into Hydropavers Interlockers™, making the surface safer for vehicular traffic and more comfortable and hazard-free for pedestrians.



# Product and Distribution Information

Premier Pavers & Stone™ is the exclusive distributor of **Hydropavers Interlockers™** (Patent No. 2020101094, International Patents Pending) in **Australia** and **internationally**. They are available at our distribution centres in Victoria and NSW. Distribution facilities in other states are currently in development and will be available soon. In the meantime, if you are not in Victoria or NSW, and you want to place an order, you can arrange delivery through your freight provider or we can provide the service through our logistics partner.

If your preferred colour or size is not in stock, we can place a special order with a lead time of approximately 10 to 14 weeks. There is no minimum order quantity or surcharge on special orders.

To ensure the quality of your completed project, we offer a supply and installation package if required or alternatively, we can recommend an accredited installer of permeable paving for your assistance.

## Endorsed by an industry expert



Former TAFE and Melbourne University lecturer Nicolaas (Nic) van Diemen is a qualified landscape and segmental paving expert with 40 years experience in construction, design, education and training. He is an International Specialised Skills Institute (ISSI) Fellow in Permeable Paving Systems (PPS).

***"Premier Hydropavers® and Hydropavers Interlockers™ are the most innovative and technologically advanced permeable pavers i have encountered. Their unique ability to permeate and store water creates an attractive, strong and functional permeable paving."***



**Silver**



**Charcoal**

### PRODUCT AND TECHNICAL INFORMATION

Material	Bonded no fines aggregates
Size	225 x 110 x 60 mm
Breaking Load	> 10 kN
Permeability rate	1500 mm/hour

## Our key memberships and affiliations



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