

# JAGAS HYDROPAVERS®

## PURPOSE

Jagas Paving Ltd supplies HYDROPAVERS® to be used as a decorative and functional hard surface in areas such as patios, pathways, driveways, car parks, swimming pool surrounds, and outdoor showers.

## EXPLANATION

HYDROPAVERS® are pervious pavers made from kiln-fired recycled porcelain and clay. They act like a sponge to retain and transpire water to the atmosphere.

Water infiltrates the paver at a very high rate of 30 mm per minute.

HYDROPAVERS® installed with bedding material and basecourse are able to store a total rainfall depth between 30–65 mm depending on the thickness of the basecourse.

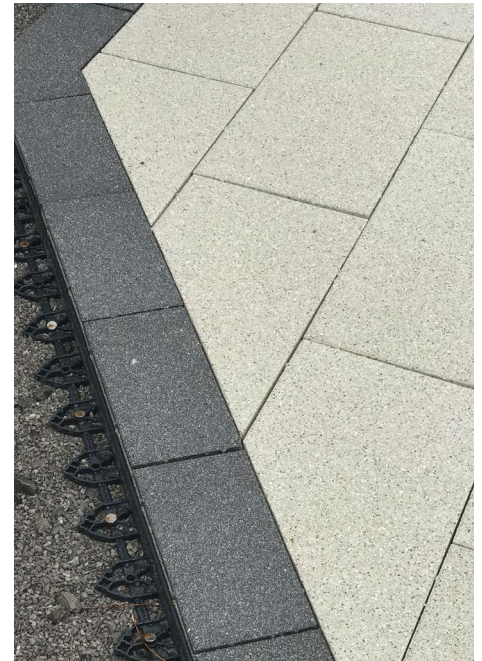
HYDROPAVERS® provide a slip-free surface in all weathers.

HYDROPAVERS® are available in the following sizes:

- 300 x 150 x 55 mm
- 100 x 200 x 55 mm
- 300 x 300 x 55 mm
- 600 x 300 x 55 mm
- 400 x 400 x 55 mm

## CONDITIONS OF USE

HYDROPAVERS® should be installed by Jagas accredited installers. If this is not possible, installation must be in accordance with the Laying Guide in the Technical Manual. Only sizes 100 x 200 x 55 mm or 300 x 150 x 55 mm, laid in a locking pattern, should be used when the surface will be used by heavy vehicular traffic.



For further assistance please contact:

- ☎ 09 274 1077
- ✉ info@jagas.co.nz
- 🌐 [www.jagas.co.nz](http://www.jagas.co.nz)



## SCOPE AND LIMITATIONS OF USE

Scope	Limitations
<b>Location</b>	
In conjunction with a subgrade prepared in accordance with NZS 3116:2002, section 316.	
In conjunction with a subgrade with a CBR of at least 4.	<ul style="list-style-type: none"> <li>➤ The subgrade may be undercut, rolled, and compacted to achieve the required strength.</li> <li>➤ 100 x 200 x 55 mm HYDROPAVERS®, laid in a locking pattern, must be used when heavy vehicular traffic will use the surface.</li> <li>➤ HYDROPAVERS® must not be used for surfacing highways where an unsegmented surface is required.</li> </ul>
In conjunction with a surface water drainage system that meets the requirements of Clause E1 of the N.Z. Building Code.	<ul style="list-style-type: none"> <li>➤ In regions with significantly higher than average rainfall events, site-specific design is required.</li> </ul>
In conjunction with a suitable paver support and membrane, where used as part of a building (e.g. patio or deck).	<ul style="list-style-type: none"> <li>➤ The structural design of the building must take account of the weight of the HYDROPAVERS® when wet.</li> </ul>
As a surface for vehicle traffic, access, and parking.	
On slopes no greater than 1:20.	



## USEFUL INFORMATION

For information on the design, installation, and maintenance of HYDROPAVERS® and for our warranty refer to [www.jagas.co.nz](http://www.jagas.co.nz)

## PERFORMANCE CLAIMS

If designed, installed, and maintained in accordance with all Jagas Paving Ltd requirements, the HYDROPAVERS® will comply with or contribute to compliance with the following performance claims:

N.Z. Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement <sup>1</sup>	Demonstrated by
<b>B1 Structure</b> B1.3.2, B1.3.3 (b, j)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> <li>➤ Compressive and tensile strength tested by Opus Consultants.</li> <li>➤ HYDROPAVERS® are of sufficient strength to support vehicular traffic.</li> <li>➤ Opus is ISO 17025 accredited.</li> </ul>
<b>B2 Durability</b> B2.3.1(a)	VERIFICATION METHOD B2/VM1	<ul style="list-style-type: none"> <li>➤ Paragraph 1.3 of B2/VM1 provides for comparison with similar materials.</li> <li>➤ HYDROPAVERS® are comprised of kiln-fired recycled porcelain and clay and therefore comparable with building bricks, which typically last hundreds of years.</li> </ul>
<b>D1 Access</b> D1.3.3(a)	ACCEPTABLE SOLUTION D1/AS1	<ul style="list-style-type: none"> <li>➤ Slip resistance tested to AS/NZS 4586 by Opus Consultants, as meeting Class V (greater than 54 in the wet pendulum test using Slider 96 rubber).</li> <li>➤ Paragraph 2.1.2 of D1/AS1 calls for the result of this test to be not less than 39.</li> <li>➤ Opus is ISO 17025 accredited.</li> </ul>
<b>E1 Surface Water</b> E1.3.1, E1.3.3(a, f)	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> <li>➤ Water retention and infiltration tested by Opus Consultants.</li> <li>➤ Water retention of 20 % of the average mass of water and 1800 mm per hour infiltration rate.</li> <li>➤ Opus is ISO 17025 accredited.</li> </ul>
<b>F2 Hazardous Building Materials</b> F2.3.1	ALTERNATIVE SOLUTION	<ul style="list-style-type: none"> <li>➤ Materials used in manufacturing do not contain or emit harmful materials.</li> </ul>

1. The Compliance Statement is the pass holder's statement that they have met their obligations under s14G(2) of the Building Act 2004.

## SOURCES OF INFORMATION

- Opus test report 001/15 8/06/15 (slip resistance, compressive strength, tensile strength).
- Opus test report 002/15 17/08/15 (water retention, water infiltration).



**VERSION:** ..... **DATE:** .....

*Note: Uncontrolled in printed format.*

**NAME:** ..... Dev Singh

**POSITION:** ..... General Manager

Signed on behalf of Jagas:

By signing this pass™ the signatory confirms that, in respect of the subject of this pass™, the company has met their s14G obligations under the Building Act 2004.



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