

JAGAS HYDROPAVERS®

PURPOSE

Jagas Paving & Precast 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:

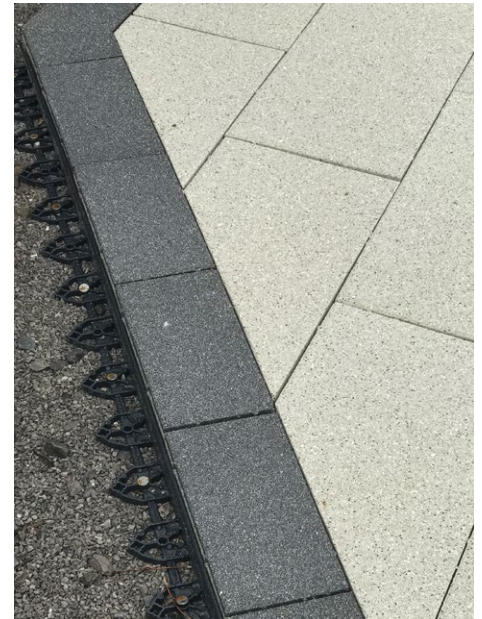
- > 300 x 150 x 55 mm
- > 300 x 300 x 55 mm
- > 100 x 200 x 55 mm
- > 400 x 400 x 55 mm

CONDITIONS OF USE

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.

SCOPE AND LIMITATIONS OF USE

Scope	Limitations
Location 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"> > The subgrade may be undercut, rolled, and compacted to achieve the required strength. > 100 x 200 x 55 mm HYDROPAVERS®, laid in a locking pattern, must be used when heavy vehicular traffic will use the surface. > HYDROPAVERS® must not be used for surfacing highways where an unsegmented surface is required.
In conjunction with a surface water drainage system that meets the requirements of Clause E1 of the N.Z. Building Code.	> In regions with significantly higher than average rainfall events, site-specific design is required.
In conjunction with a suitable paver support and membrane, where used as part of a building (e.g. patio or deck).	> The structural design of the building must take account of the weight of the HYDROPAVERS® when wet.
As a surface for vehicle traffic, access, and parking.	
On slopes no greater than 1:20.	



For further assistance please contact:

-  09 274 1077
-  info@jagas.co.nz
-  jagas.co.nz



USEFUL INFORMATION

For design, installation and maintenance information, refer to jagas.co.nz

PERFORMANCE CLAIMS

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

N.Z. Building Code clauses	BASIS OF COMPLIANCE	
	Compliance statement	Demonstrated by
B1 Structure B1.3.2, B1.3.3 (b, j)	ALTERNATIVE SOLUTION	› Compressive and tensile strength testing demonstrates HYDROPAVERS® are of sufficient strength to support vehicular traffic. Testing carried out by ISO 17205 accredited test facility [Opus Consultants, 08/01/2018a, 08/01/2018b].
B2 Durability B2.3.1(a)	VERIFICATION METHOD B2/VM1	› Paragraph 1.3 of B2/VM1 provides for comparison with similar materials. HYDROPAVERS® are comprised of kiln-fired recycled porcelain and clay and therefore comparable with building bricks, which typically last hundreds of years.
D1 Access D1.3.3(a)	ACCEPTABLE SOLUTION D1/AS1	› Slip resistance meets Class V (greater than 54 in the wet pendulum test using Slider 96 rubber) in accordance with AS/NZS 4586 by ISO 17205 accredited test facility, as cited in paragraph 2.1.2 of D1/AS1 (requires result to be not less than 39) [Opus, 08/01/2018e].
E1 Surface Water E1.3.1, E1.3.3(a, f)	ALTERNATIVE SOLUTION	› Water retention of 20 % of the average mass of water and 1800 mm per hour infiltration rate tested by ISO 17205 accredited test facility [Opus, 08/01/2018c, 08/01/2018d].
F2 Hazardous Building Materials F2.3.1	ALTERNATIVE SOLUTION	› Materials used in manufacturing do not contain or emit harmful materials. › Use in accordance with supplier's instructions.

SOURCES OF INFORMATION

- › Opus. [08/01/2018a]. Compressive strength test report.
- › Opus. [08/01/2018b]. Tensile strength (breaking load) test report.
- › Opus. [08/01/2018c]. Water permeability test report.
- › Opus. [08/01/2018d]. Infiltration rate and water retention test report.
- › Opus. [08/01/2018e]. Slip resistance test report.

SCAN OR CLICK THIS QR CODE TO ACCESS OR REQUEST THE RELEVANT SUPPORTING DOCUMENTATION FOR THIS PASS™.

jagas.co.nz



1. Where a standard is referenced it is to be read as amended by the acceptable solution or verification method as applicable. 2. Sources of information also include the Building Act 2004 and its regulations, including the Building Code (Schedule 1 of the Building Regulations 1992), Acceptable Solutions and Verification Methods, and relevant cited standards. 3. The product is not subject to a warning or ban under section 26 of the Building Act. 4. For overseas manufacturer details, where applicable, refer to the company that is the holder of this pass™. 5. The quality and assurance that the supplied products meet the performance claims stated in this pass™ are the responsibility of the company that is the holder of this pass™. 6. The availability of the information about the supplied products required to be disclosed under s14G(3) is the responsibility of the company that is the holder of this pass™.

Jagas Paving & Precast Ltd confirms that if HYDROPAVERS® is used in accordance with the requirements of this pass™ the product will comply with the NZ Building Code and other performance claims set out in this pass™ and the company has met all of its obligations under s14G(2) of the Building Act.

Date of first issue: 03/08/2020

Date of current issue: 10/11/2023

NZBN: 9429047983908

Kevin Brunton

Kevin Brunton, Technical Director, TBB confirms that the process used to prepare this pass™ on behalf of Jagas Paving & Precast Ltd has been undertaken in accordance with MBIE PTS guidelines and in accordance with the TBB pass™ process which is within the scope of TBB's ISO 9001 certification.

9606D66ADE51EA6CCC25850D00239F99

Jagas, 65 Cryers Road, East Tamaki, Auckland › info@jagas.co.nz › 09 274 1077 › jagas.co.nz

Copyright © 2017, The Building Business Limited (TBB). All rights reserved.