

+Firth EcoPave®

Permeable Paving Range



The Firth EcoPave® range will assist in the management of rain and stormwater runoff.



FlowPave



FlowPave Set



Gobi® Block



Patio Paver



Pixel Paver

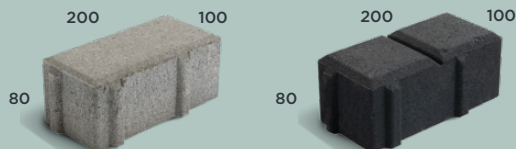


Grass Paver

FIRTH ECOPAVE® RANGE

FOR TRAFFICABLE APPLICATIONS, DRIVEWAYS, CARPARKS ETC

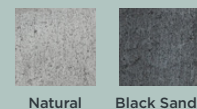
*FIRTH FLOWPAVE & FIRTH FLOWPAVE SET



Firth FlowPave has enlarged nibs on all four sides which creates wider than usual gaps around each paver. This space allows water to filter through to the underlying drainage medium. The FlowPave Set adds a cobblestone effect to your design.

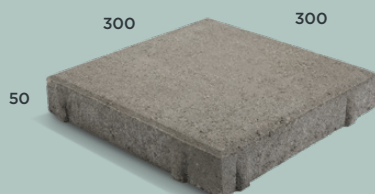
Dimensions: 200 x 100 x 80mm
 Number per m²: 50
 Permeability Rate: 18,000mm/hr

COLOURS:



FOR RESIDENTIAL OR PEDESTRIAN USE

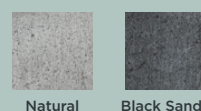
FIRTH PATIO PAVER (NORTH ISLAND ONLY)



Firth Patio Paver in a stylish square format has enlarged nibs on all four sides which allows water to filter through.

Dimensions: 300 x 300 x 50mm
 Number per m²: 11.11
 Permeability Rate: 1800mm/hr

COLOURS:



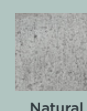
FIRTH PIXEL PAVER



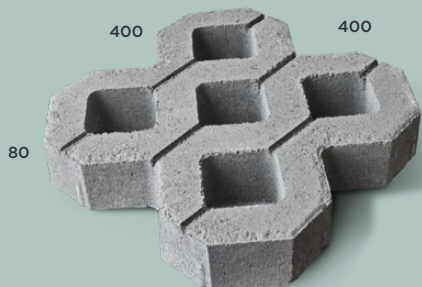
Pixel Paver allows the integration of creative and permeable grassed, planted or decorative chip designs into paving hardscapes. Pixel Pavers are compatible with Firth commercial paving (80mm) only.

Dimensions: 400 x 200 x 50mm
 Number per m²: 12.5
 Permeability Rate: subject to grass type or chip fill

COLOUR:



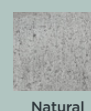
FIRTH GRASS PAVER



Firth Grass Pavers combine the natural and welcoming look of a grass lawn with the strength and durability of a paved surface. Permeability subject to top soil and type of grass.

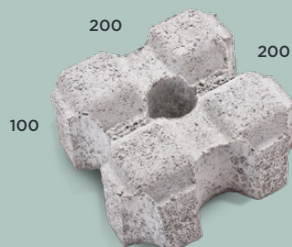
Dimensions: 400 x 400 x 80mm
 Number per m²: 6.25
 Permeability Rate: subject to top soil and type of grass

COLOUR:



FOR LIGHT RESIDENTIAL PARKING

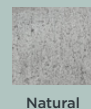
FIRTH GOBI® BLOCK



Firth Gobi® Block is a paved surface that's up to the task for high-traction requirements. Ideal for a semi-grassed look; as the design allows grass to grow through.

Dimensions: 200 x 100 x 80mm
 Number per m²: 25
 Permeability Rate: subject to top soil and type of grass

COLOUR:

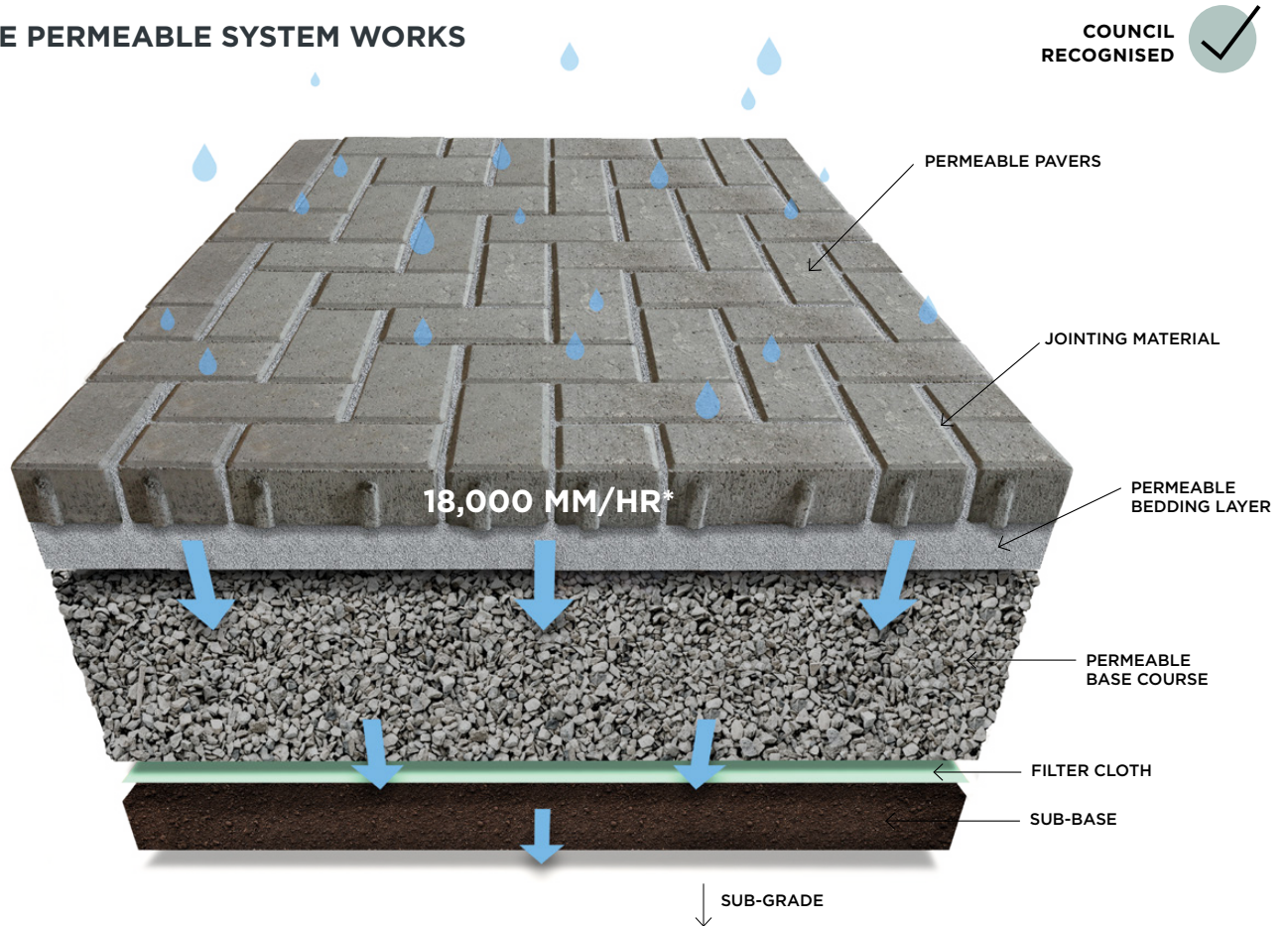


KEY BENEFITS

- Firth's EcoPave® range provides permeable paving solutions to assist storm water management, reduce run off, and filter pollutants from the water.
- The EcoPave system is made up of Permeable Pavers overlaying a storage medium consisting of Firth EnviroMix concrete or a specifically designed drainage aggregate. Geotextiles are used to separate the storage area from the bedding layer and the sub-grade.
- > Together these elements create a highly functional system of permeability, without compromising on aesthetics.

HOW THE PERMEABLE SYSTEM WORKS

COUNCIL
RECOGNISED



INSTALLATION

When installing Firth's EcoPave Systems, ALWAYS use an accredited paving contractor that has experience installing permeable systems. This ensures the system is correctly installed and will function effectively meeting council permeability requirements.

COUNCIL RECOGNISED



Proven permeability of FlowPave 18,000mm/hr as installed

Councils now require steps to be taken to reduce the effects that property development has on natural water runoff, stormwater and drainage. Firth's EcoPave is a council recognised paving system that will help to maintain the natural water balance of a property and reduces the need for retention structures.

WHY PERMEABLE PAVING?

- ✓ EcoPave® systems manage storm water run off, decreasing the demand on local water infrastructure.
- ✓ Helps manage stormwater peak flows, by holding and releasing rainwater in a controlled manner.
- ✓ The ideal solution for light to medium residential traffic applications, including carparks and driveways.
- ✓ Improves water quality through filtration and sedimentation, helping to filter out pollutants that contribute to water pollution.
- ✓ Firth EcoPave provides a variety of colours, shapes and textures and can often be useful to distinguish bus stops and pedestrian areas.
- ✓ Maximise land use by reducing the need for stormwater retention structures e.g. in ground tanks, ponds and swales.

MAINTENANCE

A properly designed, constructed and maintained permeable pavement system will perform well for many years. Regular inspection and annual light cleaning will ensure long term durability and performance. Please refer to the Firth EcoPave Installation Guide for a detailed maintenance plan.

FAQs

How does the Firth FlowPave System work?

The Firth FlowPave paver is a solid unit with enlarged spacer nibs which widen the joints between the pavers to allow stormwater runoff to permeate through the joints into the specified drainage aggregate underneath.

What does permeability rate of 18,000 mm/hr mean?

It means the Firth FlowPave System can absorb 300 litres of stormwater runoff over 1 square metre, per minute.



Refer to firth.co.nz for your copy of the Firth EcoPave® Permeable Paving Installation Guide.

For more information on the Firth EcoPave® range, including the name and location of product suppliers and permeable paving installation contractors, or to obtain free training please contact the Firth Team on

0800 800 576.



CONCRETE & MASONRY PRODUCTS: A SUSTAINABLE BUILDING OPTION & SOLUTION

- ✓ Environmentally compliant manufacturing plants
- ✓ Surplus water and some aggregates recycled
- ✓ Low transport impacts
- ✓ Leftover concrete returned from construction sites
- ✓ Passive solar heated thermal mass makes completed buildings more energy-efficient
- ✓ Highly durable, low maintenance buildings and no rot
- ✓ High degree of noise control
- ✓ Inherent fire resistance
- ✓ Overall longer effective building life
- ✓ Demolished concrete can be recycled as hard fill or aggregate

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