

# COMMERCIAL URBANSCAPE SOLUTIONS



NOVEMBER 2025

**PAVEWARE  
ECOPAWE  
RETAINING  
KERBS**



## WHY FIRTH COMMERCIAL MASONRY?

- 1 SUSTAINABLE INNOVATION THAT ENDURES**  
We are committed to ongoing development of low-carbon, sustainable masonry products, helping to make a greener future. See the Firth website for our Masonry EPD's & Declare Labels or talk to us about our Low Carbon Masonry solutions.
- 2 DESIGN MOMENTS**  
Giving designers, contractor and landscapers the products to create practical urbanscapes with timeless beauty.
- 3 QUALITY THAT LASTS**  
All of our products are manufactured to meet strict New Zealand standards, NZS 3116, in conjunction with AS/NZS4455 & AS/NZS4456. Our quality management system is AS/NZS ISO9001 rated.
- 4 PROUD KIWI HISTORY**  
Manufacturing the building blocks of New Zealand for 100 years and counting.
- 5 INDUSTRY LEADING**  
Our team is invested in improving our products to create reliability and durability you can count on time and time again.
- 6 NATIONWIDE**  
Availability and support no matter where you or your project is in New Zealand.
- 7 EASY INFRASTRUCTURE ACCESS**  
Uplifting and reinstating (re-purposing) Firth concrete pavers for maintenance and repairs, etc. on sub-surface infrastructure is a practical and cost effective long term solution.

## A BEAUTIFULLY NATURAL PRODUCT...

Similar to stone, the appeal of concrete masonry is the unique visual characteristics achieved through our manufacturing process and use of natural oxides and aggregates. Please expect variations in colour hue between batches and subtle regional variations, both due to the use of these oxides and locally sourced aggregates.

It's all part of the aesthetic beauty of Firth masonry products!

We **strongly** advise viewing physical samples of our products before purchasing. For help with this and to discuss your project needs, contact us on:

0800 FIRTH 1 (0800 347 841) or email: [info@firth.co.nz](mailto:info@firth.co.nz)





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## DECLARE




We are proud to be the 1st concrete manufacturer in the world to get Declare labels for our ready-mix concrete and our concrete masonry products. Declare is an ingredients initiative for building products that is designed to shape a greener, healthier environment.



Environmental Product Declarations (EPD's) available for key masonry products. Indicative Carbon numbers can be provided for all others on request.

See our website to use the **Firth Masonry EPD Selector Tool** or for more information go to: [www.epd-australasia.com](http://www.epd-australasia.com)

# How to select the right PaveWare Paver

PAVER APPLICATION	RECOMMENDED FIRTH PAVER
<p> <b>PUBLIC FOOTPATHS</b></p> <p><b>Low impact</b> Paths to public gardens, school or other public areas</p>	<p>Holland 50 Piazza 60 Manhattan 80mm Forum 60mm</p>
<p><b>High Impact</b> High volume footpaths e.g. CBD, malls, shop and building entrances, etc.</p>	<p>Holland 80mm Piazza 80mm Manhattan 80mm Forum 80mm</p>
<p> <b>ROADS</b> As per NZS3116:2002</p> <p><b>Minor</b> up to 150 vehicles / day and <b>Local</b> up to 4,000 vehicles / day</p>	<p>Holland 80mm Piazza 80mm</p>
<p><b>Main</b> &gt; 4,000</p>	<p>Holland 80 / 100mm</p>
<p> <b>PARKING</b></p> <p><b>Light</b> - parking bays, shopping centres</p>	<p>Holland 80mm Piazza 80mm Forum 80mm</p>
<p><b>Industrial</b> - distribution yards, etc.</p>	<p>Holland 80 / 100mm</p>

## INTERCHANGEABLE SIZING

Mix-n-match Holland, Manhattan, Piazza and/or Forum pavers to create striking designs and layouts. Applies to 80mm PaveWare pavers only\*.



\*Pixel Pavers (50mm D) are a non-wearing course, permeable paving system that is used only with 80mm PaveWare range in a minimum design 50:50 installation ratio to help manage stormwater run-off and introduce grass or other natural products into your design. Permeable pavers MUST be installed on an engineered permeable base system by a suitably trained pavior.

# PAVING FINISHES

Firth PaveWare and FlowPave products come standard with a **Fair Faced** finish to replicate a natural stone product. To enhance natural characteristics, pavers can be **Bush Hammered** to create a textured surface, giving glimpses of the beautiful aggregates within. Bush Hammering gives pavers a unique texture that can be used to contrast design elements or as high traction paving for traffic calming rumble strips or sloping surfaces.

Pavers can be **Honed** for a semi-polished finish to expose the natural aggregates within for maximum visual appeal. Truly stunning effects can be achieved with bespoke mix designs by adding contrasting aggregate, recycled shell or white cement (for example). Ideal for commercial or residential use, Honed pavers really bring hardscapes to life!



Please note: Colour swatches and images are indicative only and will vary between viewing media/devices. We **strongly** recommend viewing our products before purchasing.

Piazza 80 - Glacier (Honed), Holland Set 80 - Black Sands (Bush Hammered & Honed)





# Forum

Masterfully capturing the elegance of traditional flag stones, this paver is the perfect choice for large hardscapes and pedestrian areas.

# FORUM

Forum's flag stone format allows designers to think big with the perfect paver for grand scale urban environments. Create unique pedestrian areas with integrated design patterns by combining Forum with PaveWare pavers and contrasting finishes and colours.

Consider designing with Pixel Paver to create permeable borders or zones to remove surface water or just to add a touch of green to the installation.

**Finishes:** Fair Faced, Honed, Bush Hammered

**Dimensions:** 400L x 400W x 80D (60mm available)

**Area:** 6.25 units per m<sup>2</sup>

**Weight:** 25.8kg (80mm) each

18.0kg (60mm) each

**GWP\*:** 23.5 to 27.8 kgCO<sub>2e</sub>/m<sup>2</sup> (80mm only)

\*use **Masonry EPD Selector** tool on Firth website for product and plant specific EPD's for 80mm pavers.

## Standard Colour Options:



**Black Sands**



**Glacier**



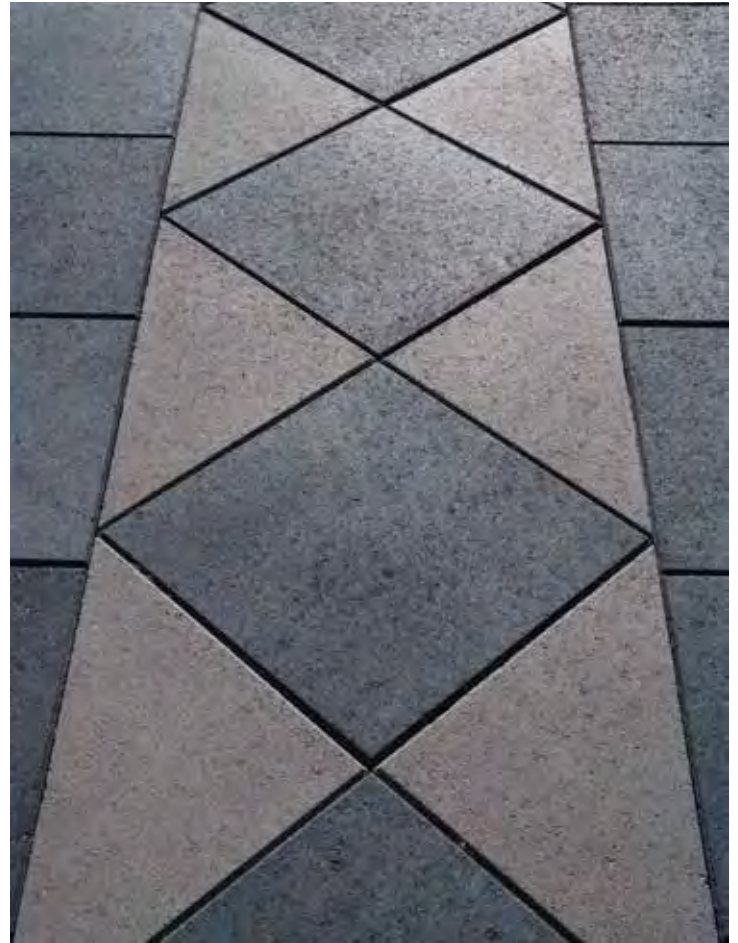
**Sumner**



**Volcanic Ash**



Bespoke mix design\*



Forum 80 -Black Sands (Fair Faced), Volcanic Ash (Fair Faced)

Forum 80 - Sumner (Fair Face)



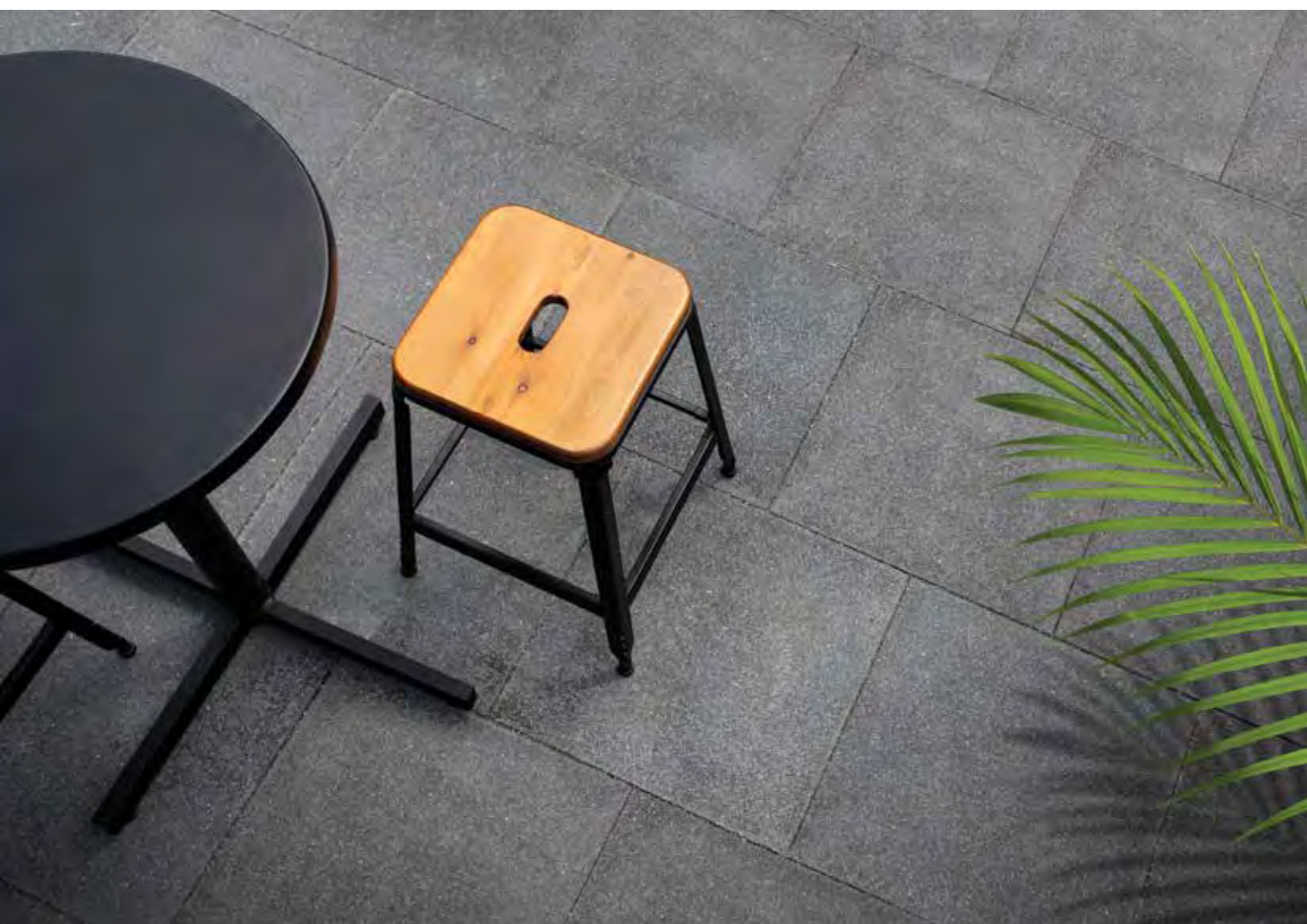
Public footpaths,  
plazas and  
courtyards.

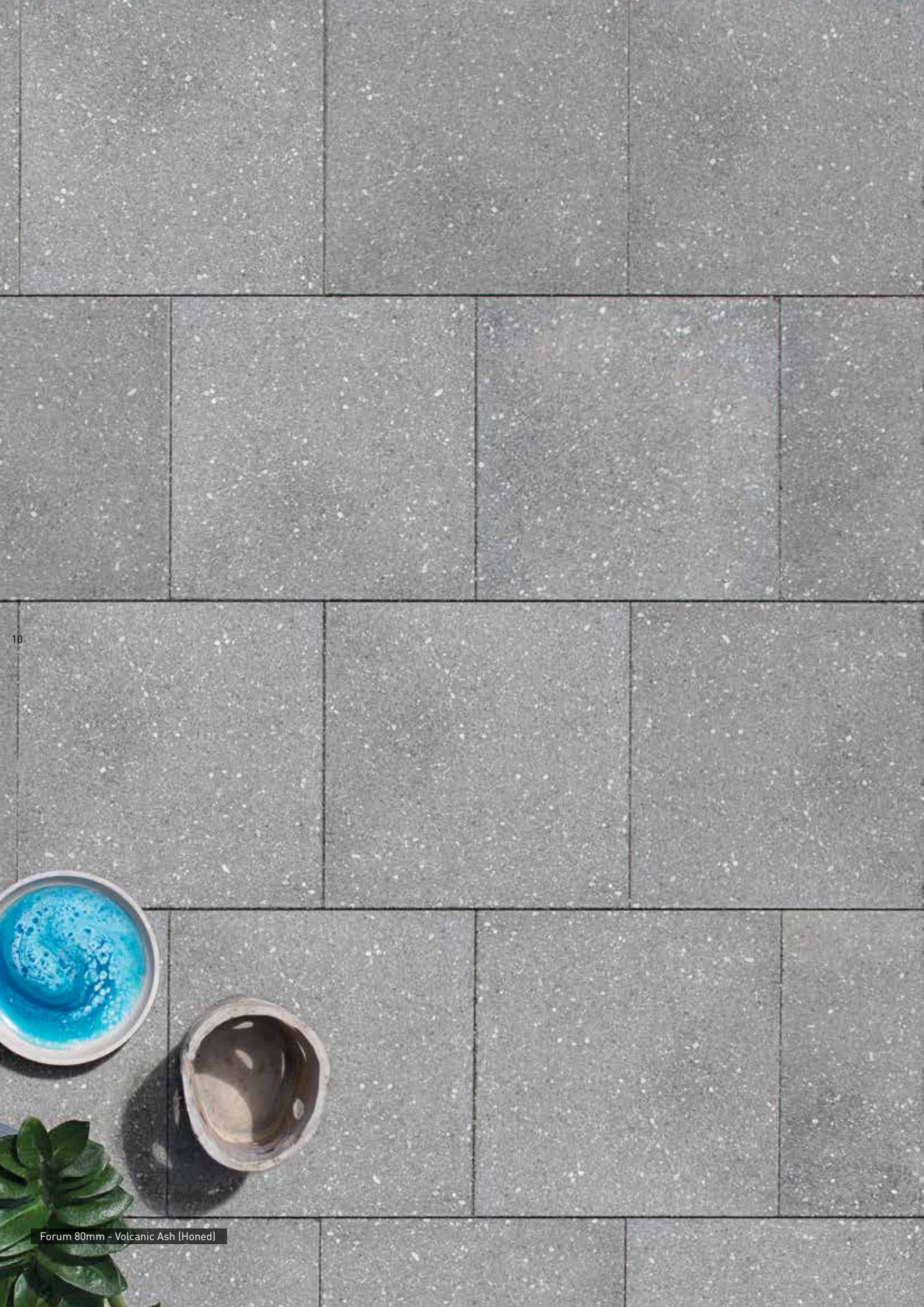
Please note: our masonry products are made from locally sourced, natural materials and variations between batches and regions should be expected. Colour swatches and images are indicative only and will vary between viewing media/devices. We **strongly** recommend viewing our products before purchasing. Pavers should be sealed with a penetrating sealer to protect the visual appearance and guard against naturally occurring efflorescence.

\* Talk to us about bespoke design mixes/colours for you project (min. order quantities apply).



Above: Forum 80mm - bespoke mix design (Honed)  
Below: Forum 80mm - Black Sands (Honed)





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Forum 80mm - Volcanic Ash (Honed)



# Piazza

**European styling  
for bold designs**

# PIAZZA

The elegant style of the long rectangular dimensions allows you to imagine and design beautiful paved surfaces. The Piazza works brilliantly for large commercial designs, urban streetscapes and residential designs alike.

Work with us to create your own unique colour and aggregate mix for a stunning visual effect.

With dimensions exactly half the Forum it is ideal for larger geometric patterns or, for more intricate designs, combine with the Manhattan and Holland pavers.

**Finishes:** Fair Faced, Honed, Bush Hammered

**Dimensions:** 400L x 200W x 80D (60mm available)

**Area:** 12.5 units per m<sup>2</sup>

**Weight:** 12.9kg (80mm) each  
9.5kg (60mm) each

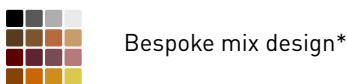
**GWP\*:** 23.5 to 27.8 kgCO<sub>2e</sub>/m<sup>2</sup> (80mm only)

\*use **Masonry EPD Selector** tool on Firth website for product and plant specific EPD's for 80mm pavers.



Piazza Graphite (Honed), Black Sands (Honed) with Holland Set Graphite & Glacier

## Standard Colour Options:



Piazza - Hamilton Mix (Honed). i.e. a bespoke Black Sands variation with a light fleck.



Plazas, footpaths and courtyards



Minor / Local roads, JOAL's.



Parking bay, shopping centres

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\* Talk to us about bespoke design mixes/colours for you project (min. order quantities apply).



Above: Piazza 80mm - Black Sands, Sumner, Terracotta and Sand Dune (all Fair Faced)  
Below: Piazza 80mm - Black Sands (Honed), Graphite (Honed) and Titanium (Honed)





Above: Piazza - bespoke mix designs (Honed)  
Below: Piazza - Graphite (Honed)

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Above: Piazza - Sumner (Fair Faced & Honed), Volcanic Ash (Fair Faced), Holland - Black Sands (Fair faced)  
Below: Piazza - Volcanic Ash (Honed), Black Sands (Honed) and Autumn Leaves (Honed)



# Manhattan

Inspired by towering city-scapes, the Manhattan paver stretches urban design to the horizon.

# MANHATTAN PAVER



Inspired by the steets and skyline of our modern cities, the long, linear format of these paver mirrors the latest European trend to create urbanscapes that are a feast for the eyes with playful designs, patterns and bespoke finishes.

The Manhattan integrates with the Forum 80, Piazza 80 and/or Holland 80 for commercial non-trafficable and municipal pedestrian applications.

Talk to us about bespoke mix designs and colours for your project.

**Finishes:** Fair Faced, Honed, Bush Hammered

**Dimensions:** 400L x 100W x 80D

**Area:** 25 units per m<sup>2</sup>

**Weight:** 7kg each

Above and below: Manhattan - Black Sands, Glacier (variation) and Graphite (all Honed)



## Standard Colour Options:

-  **Black Sands**
-  **Glacier**
-  **Graphite (SI only)**
-  **Volcanic Ash**
-  **Bespoke mix design\***

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Manhattan - Graphite (Honed)



Plazas, courtyards,  
and walkways

Please note: our masonry products are made from locally sourced, natural materials and variations between batches and regions should be expected. Colour swatches and images are indicative only and will vary between viewing media/devices. We **strongly** recommend viewing our products before purchasing. Pavers should be sealed with a penetrating sealer to protect the visual appearance and guard against naturally occurring efflorescence.

\* Talk to us about bespoke design mixes/colours for you project (min. order quantities apply).



# Holland

The talismanic and robust paver that delivers design detail with installation practicality for projects all over New Zealand.

Black Sands (Fair Faced) and bespoke mix designs (Honed)



Above: Holland - Black Sands (Fair Faced) and Holland Sett bespoke mix design (Honed)  
 Below: Holland 80 - Black Sands, Natural, Terracotta (Fair Faced)



With its simple shape Holland pavers are a practical choice for a variety of residential and commercial installations.

It is a proven product in many different designs and is further enhanced with the option of either a honed or bush hammered finish. The 80mm paver is suited for residential and driveway applications and commercial streetscape designs. The 100mm can be used for distribution yards or other heavy duty applications.

A bush hammered finish provides perfect slip resistance on sloping sites or as rumble strips for car parks.

Pair with Forum, Piazza or Manhattan pavers to create unique urban streetscapes.

**Finishes:** Fair Faced, Honed, Bush Hammered

**Dimensions:** 200L x 100W x 80D (50mm & 100mm options)

**Area:** 50 units per m<sup>2</sup>

**Weight:** 3.2kg each

**GWP\*:** 23.5 to 27.8 kgCO<sub>2e</sub>/m<sup>2</sup>

\*use **Masonry EPD Selector** tool on Firth website for product & plant specific EPD.

## Standard Colour Options:

-  **Black Sands**
-  **Natural**
-  **Summer**
-  **Terracotta**
-  **Bespoke mix design\***

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-  Footpath, plazas, courtyards and walkways
-  Urban streets, minor to major roads (80-100mm), JOAL's and driveways
-  Parking bays, commercial car parks, distribution yards (100mm)

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\* Talk to us about bespoke design mixes/colours for you project (min. order quantities apply).

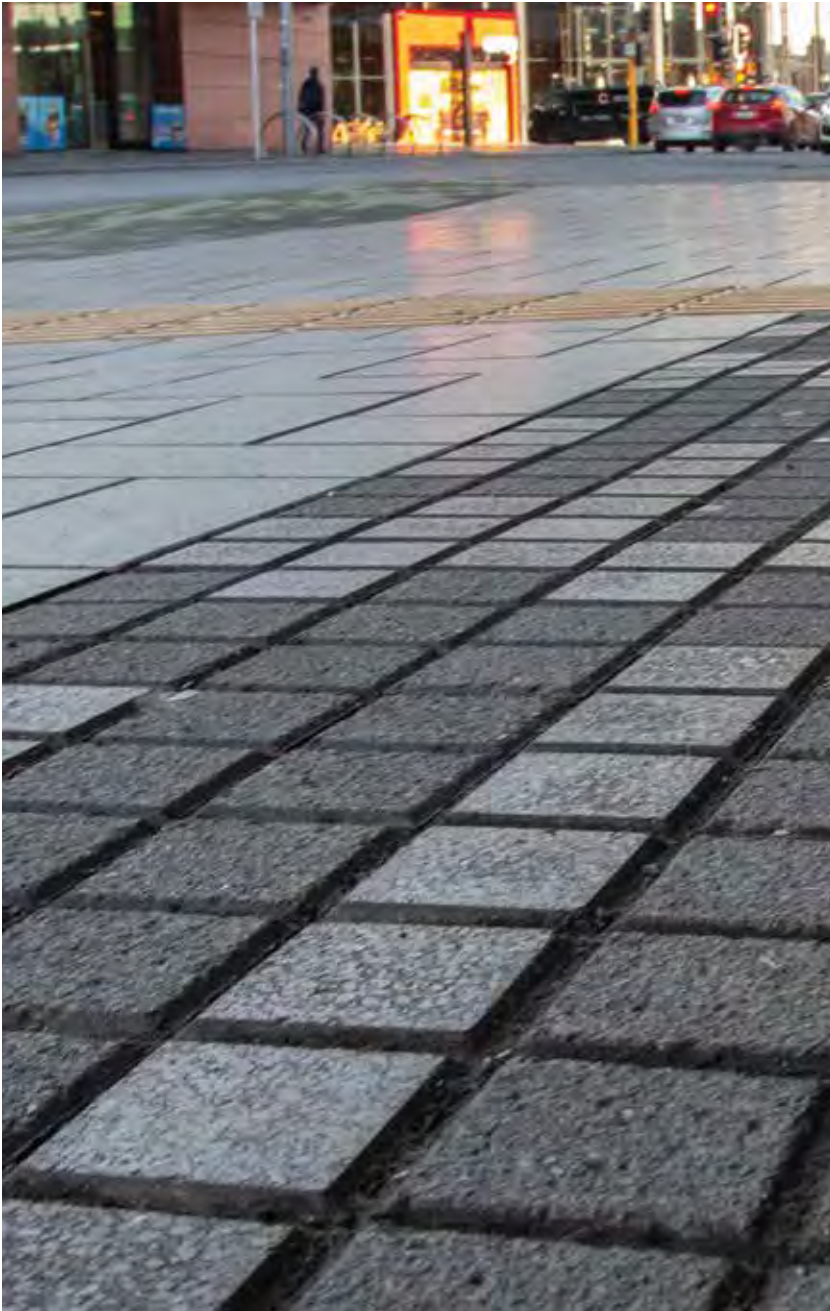


Above: Holland Sett - Graphite (Bush Hammered) with Holland and Piazza in background.  
Below: Holland Sett - Black Sands and Graphite (both Fair Faced)

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# HOLLAND SETT



With its signature cobble design the Holland Sett gives you the ability to create an old world surface with colour and finish ranges you just can't get with natural stone.

The robust nature makes it suitable for a number of practical and designer applications from urban vehicular rumble strips, to parking bays, to intricate motifs of cultural or regional distinction, these pavers can do it all.

Pair with Forum, Piazza or Manhattan pavers to add another visual layer to your streetscape.

**Finishes:** Fair Faced, Honed, Bush Hammered

**Dimensions:** 200L x 100W x 80D

**Area:** 50 units per m<sup>2</sup>

**Weight:** 3.1kg each

**GWP\*:** 23.5 to 27.8 kgCO<sub>2e</sub>/m<sup>2</sup>

\*use **Masonry EPD Selector** tool on Firth website for product & plant specific EPD.

## Standard Colour Options:



**Black Sands**



**Natural**



Bespoke mix design\*

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Holland Sett: Black Sands (Honed & Bush Hammered) with Piazza (Honed) in background.



Holland - Natural (Fair Faced)



Footpath, plazas, courtyards and walkways



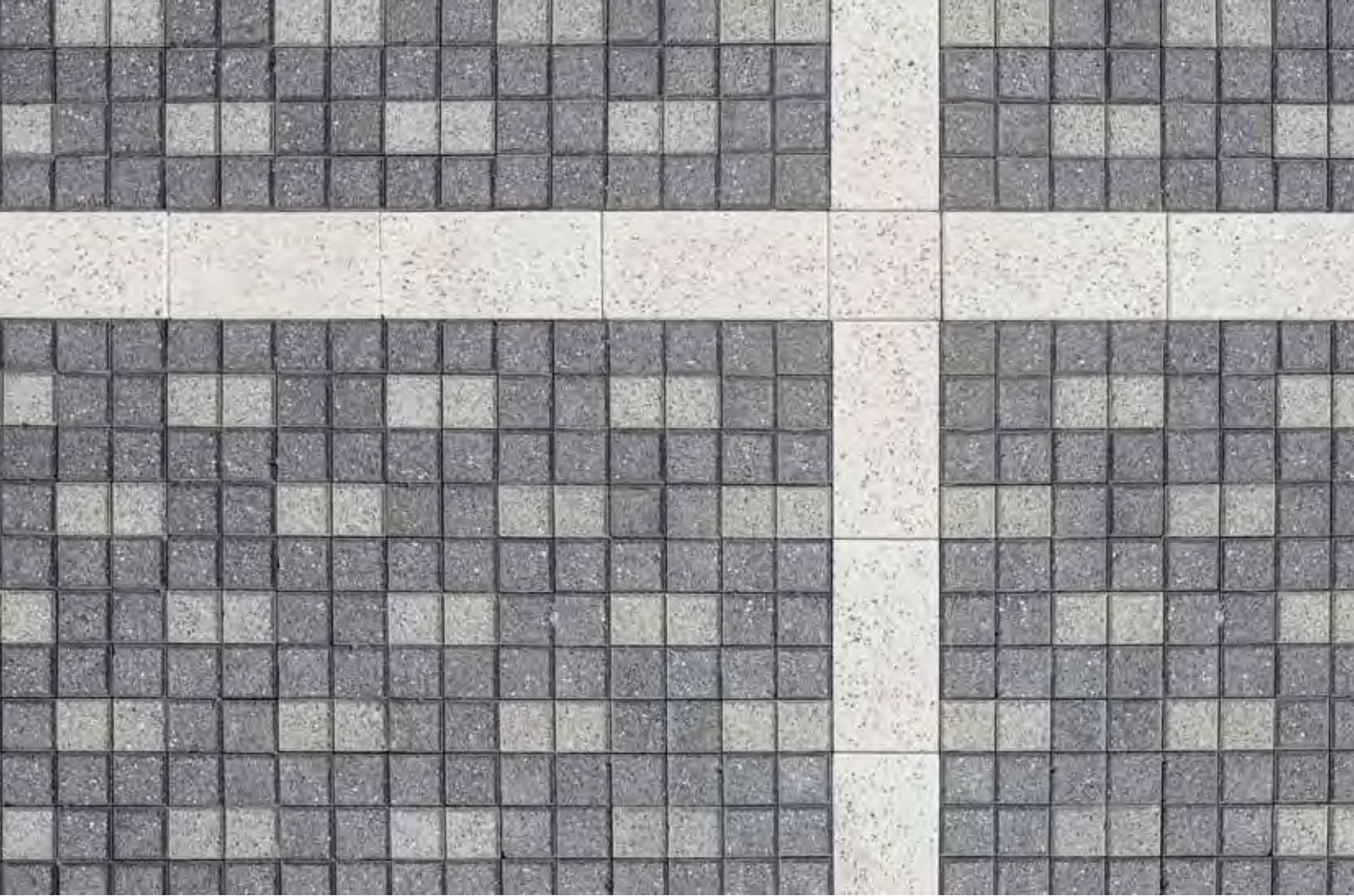
Urban streets, minor to major roads (80-100mm), JOAL's and driveways



Parking bays, commercial car parks, distribution yards (100mm)

Please note: our masonry products are made from locally sourced, natural materials and variations between batches and regions should be expected. Colour swatches and images are indicative only and will vary between viewing media/devices. We **strongly** recommend viewing our products before purchasing. Pavers should be sealed with a penetrating sealer to protect the visual appearance and guard against naturally occurring efflorescence.

\* Talk to us about bespoke design mixes/colours for you project (min. order quantities apply).



Above: Holland Set - Black Sands & Natural (both Bush Hammered) and Piazza 80mm - bespoke mix design (Honed)  
Below: Holland - Black Sands & Terracotta (both Fair Faced) and Holland Sett - Black Sands (Fair Faced, Honed & Bush Hammered)





# ECOPAVE PERMEABLE PAVING

Firth EcoPave permeable paving systems become part of the stormwater infrastructure and help reduce peak flow rates during weather events. Installed on an engineered retention or detention sub-base, these permeable systems also improve water quality in local streams and coastal areas by filtering out harmful pollutants and heavy metals.





# FIRTH ECOPAVE PERMEABLE SYSTEMS

Firth's EcoPave range is made up of Permeable Pavers overlaying an engineered storage medium consisting of Firth EnviroMix concrete or a specifically designed drainage aggregate to create practical, dual purpose hardscapes.

## Benefits

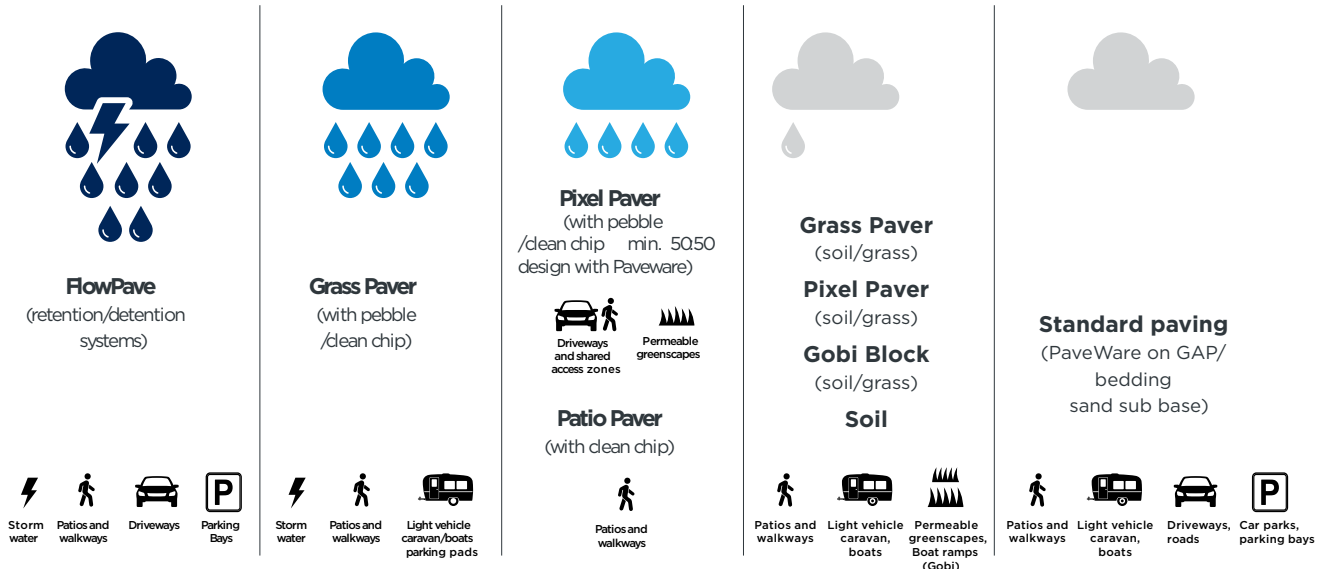
- Storm water management
  - Reduce peak flow rates into stormwater infrastructure
  - Filter pollutants from the water before entering local waterways
  - No puddling in car parks
- Maximise site utilisation
  - Car parks, paths and courtyards become a permeable surface
- All weather grassed parking surface and access ways
- Contributing to cooling of urban heat islands through evaporation of retained water



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Holland FlowPave - Natural (Fair Faced)

## PERMEABILITY SCALE





# HOLLAND FLOWPAVE

Holland FlowPave systems have the best permeability rates in the hardscape market. FlowPave turns car parks, access ways and courtyards in to practical stormwater management systems, that not only reduce peak flow rates into stormwater infrastructure, but help recharge urban aquifers and filter harmful pollutants to keep local waterways clean and healthy.

If you are looking to maximise site utilisation and avoid putting large plastic detention/retention tanks in the ground, or have no space to build swales and artificial ponds, then a FlowPave system is your solution.

**Finishes:** Fair Faced, Honed, Bush Hammered

**Dimensions:** 200L x 100W x 80D

**Area:** 50 units per m<sup>2</sup>

**Weight:** 3.1kg each

**GWP\*:** 24 to 49.9 kgCO<sub>2e</sub>/m<sup>2</sup>

**Permeability Rate:** 18,000mm/hr

## Standard Colour Options:



**Black Sands**



**Natural**



**Stormy Sunset**



**Summer**



Courtyards and walkways



Car parks and parking bays



Driveways, JOAL's, Minor & Local roads



Holland Flowpave - Natural (Fair Faced)



Holland FlowPave - Black Sands and Natural (Fair Faced)



Holland Sett FlowPave create traditional cobble style hard surfaces with superior permeability rates for stormwater management.

**Finishes:** Fair Faced, Honed, Bush Hammered

**Dimensions:** 200L x 100W x 80D

**Area:** 50 units per m<sup>2</sup>

**Weight:** 3.0kg each

**GWP\*:** 24 to 49.9 kgCO<sub>2e</sub>/m<sup>2</sup>

**Permeability Rate:** 18,000mm/hr

\*use **Masonry EPD Selector** tool on Firth website for product & plant specific EPD.

**Note:** FlowPave EcoPave systems are a specifically engineered system and must be installed by an appropriately qualified paviour that have a *Certificate of Attendance* for Firth EcoPave Installation training.

Holland Sett Flowpave - Black Sands (Fair Faced)



## Standard Colour Options:



**Black Sands**



**Natural**



**Summer**



Courtyards and walkways



Car parks and parking bays



Driveways, JOAL's, Minor & Local roads

Please note: our masonry products are made from locally sourced, natural materials and variations between batches and regions should be expected. Colour swatches and images are indicative only and will vary between viewing media/devices. We **strongly** recommend viewing our products before purchasing. Pavers should be sealed with a penetrating sealer to protect the visual appearance and guard against naturally occurring efflorescence.

\* Talk to us about bespoke design mixes/colours for you project (min. order quantities apply).



Holland Sett FlowPave - Natural (Fair Faced)



# GRASS PAVER

Firth Grass Pavers combine the natural and welcoming look of a grass lawn with the strength and durability of a paved surface. Grass pavers have widely spaced openings allowing grass to grow through creating green, all weather surfaces.

**Finishes:** Fair Faced

**Dimensions:** 400L x 400W x 80D

**Area:** 6.25 units per m<sup>2</sup>

**Weight:** 17.0kg each

**Permeability Rate:** Subject to ground conditions

**GWP\*:** 16.2 kgCO<sub>2e</sub>/m<sup>2</sup>



Grass Paver - Natural (note: image shows paver before grass has established)



Light vehicle & parking pads for boats & caravans



Light residential traffic & single residential driveways

**Colour:**



**Natural**



# GOBI BLOCK

Firth Gobi Block is a heavy-duty paver for high-traction requirements. It's ideal for places where you want to retain a semi-grassed look for a green, all weather parking surface.

Great for boat ramps and other sloping surfaces with high vehicle traction requirements.

**Finishes:** Fair Faced

**Dimensions:** 200L x 200W x 100D

**Area:** 25 units per m<sup>2</sup>

**Weight:** 5.5kg each

**Permeability Rate:** Subject to ground conditions

**GWP\*:** 16.2 to 19.5 kgCO<sub>2e</sub>/m<sup>2</sup>

\*use **Masonry EPD Selector** tool on Firth website for product & plant specific EPD.



Gobi Block - Natural



Grassed parking bays and pads



Boat ramps, steep driveways, access ways

**Colour:**



**Natural**

# PIXEL PAVER



Render shows Pixel Pavers (under grassed areas) with Piazza and Holland 80mm PaveWare.

With growing urbanisation there is an increase in hard paved areas, building and other impervious structures. These structures disrupt the natural flow of stormwater runoff and contribute to the *heat island* effect. The Pixel Paver system provides a visually flexible and attractive solution to increasing the permeability of urban areas while adding a touch of green.

Whether used to create pixelated designs or as permeable borders and green zones within 80mm PaveWare installations, the Pixel Paver helps you build unique urban landscapes.

The Pixel Paver must be installed in a minimum ratio of 50:50 with Firth PaveWare (80mm) pavers. Pixel Pavers are not a wearing course.

**Note:** EcoPave systems are a specifically engineered system and must be installed by an appropriately qualified paviour that have a *Certificate of Attendance* for Firth EcoPave Installation training.

**Finishes:** Fair Faced

**Dimensions:** 400L x 200W x 50D

**Area:** 12.5 units per m<sup>2</sup>

**Weight:** 7.5kg each

**Permeability Rate:** Subject to ground conditions

## Colour:



Natural

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Pixel Paver mock installation with Piazza - bespoke mix design (Honed) under artificial light.



Paths



Parking bays and pads



Driveways, access ways, JOAL's



**EcoPave** permeable paving must be installed on a correctly designed system of drainage aggregate or Firth EnviroMix concrete to effectively function as part of a site's stormwater management infrastructure.

Firth are committed to the ongoing skills development and support of trades in the New Zealand construction industry and as such we offer free installation training for our EcoPave permeable paving systems.

If you are interested in up-skilling yourself or team, please contact us on **0800 FIRTH 1 (0800 347 841)** to register your interest for our next 90 minute (classroom) training session.

A *Certificate of Attendance* is issued to attendees (only) at the completion of the training. We can cater for Chinese speaking individuals/ teams with a dual language documentation provided during training sessions.

# RETAINING

The Firth's range of segmental Retaining masonry blocks utilise the globally trusted Keystone® pin connection system to create beautiful walls that will out last and go higher than the timber equivalent.

# COUNTRY MANOR

Keystone Country Manor retaining blocks have an attractive Keycut texture on two faces allowing you to create traditional stone wall effects that conjuring up images of old European estates and stone walls.

The tapered, dual face blocks and Keystone connection system allow for design flexibility, making curves and corners a breeze for garden beds, bench seats and walls.

**Dimensions Large:** 400 / 350L x 250D x 150H

**Medium:** 300 / 250L x 250D x 150H

**Small:** 150 / 100L x 250D x 150H

**Cap:** 300 / 250L x 280D x 75H

**Area:** 8.6 units per m<sup>2</sup> / 3.6 units per Lm (indicative only)

**Weight:** 56.0kg per set

**Vertical wall:** up to 0.6m

**Batter setback wall:** up to 0.9m

**Engineered wall:** 1.0m or higher with Geo-grid

## Standard Colour Options:



Ash



Onyx



Rockface



Country Manor - Rockface

# COMPAC III

Firth's Keystone Compac III Straight Face features unrivaled aesthetic options and proven wall performance. The unique block design allows you to easily create curved, vertical or setback walls with the Keystone pin connection system.

Perfect for walls up to 900mm high but this block really comes into its own for engineered designs using geo-grids that can build lasting walls.

**Dimensions Straight Face:** 457L x 305D x 200H

**Corner:** 457L x 225D x 200H

**Cap:** 455L x 270D x 100H

**Area:** 11 units per m<sup>2</sup> / 2.19 units per Lm

**Weight:** Straight Face 32.0kg each

Corner 45.0kg each

Capping 26.0kg each

**GWP\*:** 47.4 to 66.9 kgCO<sub>2e</sub>/m<sup>2</sup>

**Vertical wall:** up to 0.7m

**Batter setback wall:** up to 1.0m

**Engineered wall:** 1.0m or higher with Geo-grid

\*use **Masonry EPD Selector** tool on Firth website for product & plant specific EPD.

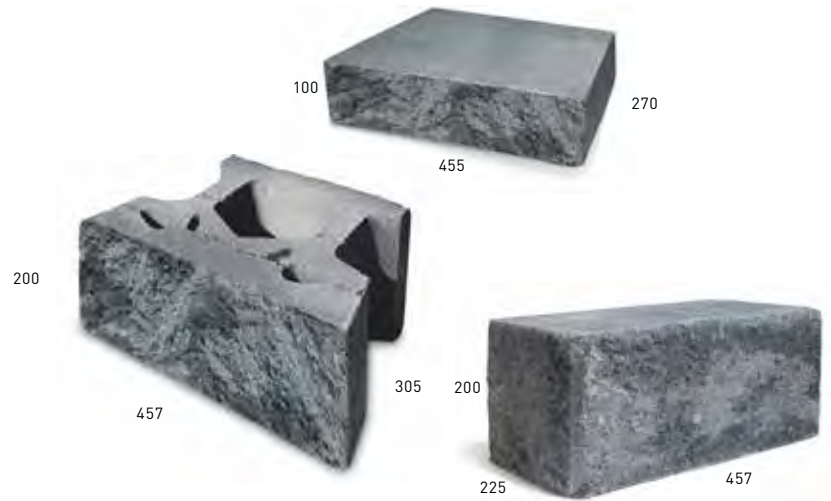
## Standard Colour Options:



**Onyx**



**Rockface**



Fibreglass connecting pins

Compac III - Rockface (below, right page and individual units)







# KERBS

The Firth's ubiquitous range of Kerbing blocks are renowned for their ease to install and rugged durability. Used as hunching for multi-level paved surfaces or simply to create water channels for stormwater control, Kerbs perform a critical role in urban hardscapes.

# EURO KERB


Firth Euro Pavers™ are a popular kerb for creating an attractive edge and, with bespoke colours options, these interlocking kerbs are designed to complement the Firth paving range.

**Finishes:** Fair Faced

**Dimensions:** 410L x 150H x 75D

**Area:** 2.4 units per linear meter

**Weight:** 10.2kg each

 Colour match to paving available on request (minimum order quantities apply).



# ROAD KERB

Firth Road Kerbs are designed to create the kerb on road network pavements. They can also be used to form the perimeter to car-parks and access ways. Firth Road Kerbs are laid in a concrete haunch with the V joint between units filled with mortar so they lock together.

**Finishes:** Fair Faced

**Dimensions:** 457L x 200H x 127D

**Area:** 2.19 units per linear meter

**Weight:** 22.2kg each



# RADIUS KERB

Firth's Radius Kerbs are used in conjunction with Road Kerbs wherever a 90-degree angle is required, for example, where driveway crossings are installed through the kerb line. One unit creates a 90-degree curve.

**Finishes:** Fair Faced

**Dimensions:** 418\*L x 200H x 127D

**Weight:** 17.0kg each

\*This is the longest straight line dimension (corner to corner)  
Radii for the internal and external curves are given as **r** values.



# MOUNTABLE KERB

Firth Mountable Kerbs are used to form road edging and are ideal to use for edges of traffic islands and crossings. Mountable Kerbs have a sloping face rather than an abrupt angle and this enables vehicles to drive over them easily. Laid in the same way as Firth Road Kerbs with a mortar V joint to lock units together.

**Finishes:** Fair Faced

**Dimensions:** 457L x 135-180H x 146D

**Area:** 2.19 units per linear meter

**Weight:** 23.0kg each



# SPECIFICATION MATRIX

	Product	L x W x D (H) (in mm)	Strength (250mm span)	Units / sqm	Units / Pallet
<b>PaveWare</b>	Forum 80	400 x 400 x 80	15.2kN	6.25	48 (7.86m <sup>2</sup> )
	Forum 60	400 x 400 x 60	--	6.25	72 (7.86m <sup>2</sup> )
	Piazza 80	400 x 200 x 80	12.0kN	12.5	120 (12m <sup>2</sup> )
	Piazza 60	400 x 200 x 60	10kN	12.5	180 (12m <sup>2</sup> )
	Manhattan 80	400 x 100 x 80	5kN	25	240 (9.6m <sup>2</sup> )
	Holland 80*	200 x 100 x 80	12kN	50	480 (9.6m <sup>2</sup> )
	Holland 100	200 x 100 x 100	12kN	50	n/a
	Holland Sett 80	200 x 100 x 80	12kN	50	480 (9.6m <sup>2</sup> )
<b>EcoPave (permeable paving)</b>	FlowPave	200 x 100 x 80	12kN	50	480 (9.6m <sup>2</sup> )
	FlowPave Sett	200 x 100 x 80	12kN	50	480 (9.6m <sup>2</sup> )
	Pixel Paver	400 x 200 x 50	12kN	12.5	180 (14.4m <sup>2</sup> )
	Gobi Block	200 x 200 x 100	10kN	25	180 (7.2m <sup>2</sup> )
	Grass Paver	400 x 400 x 80	15.2kN	6.25	66 (10.56m <sup>2</sup> )
<b>Retaining</b>	Country Manor (set of)	400/350 x 250 x 150 300/250 x 250 x 150 150/100 x 250 x 150	n/a	1.29 sets	24 (sets)
	Country Manor (cap)	300 x 280 x 75	n/a	1.82Lm	96
	Compac III	457 x 305 x 200	17.5MPa	2.19Lm	45
	Compac III (corner)	457 x 225 x 200	17.5MPa	--	40
	Compac III (cap)	455 x 270 x 100	17.5MPa	2.19Lm	64
<b>Kerbs</b>	Euro Kerb	410 x 75 x 150	n/a	2.4Lm	155
	Road Kerb	457 x 127 x 200	20kN	2.19Lm	76
	Mountable Kerb	457 x 146 x 120 (180)	n/a	2.19Lm	78
	Radius Kerb	230 / 160 x 127 x 200	n/a	--	68

\* Holland 50mm paver, using Municipal mix design, is suitable for non-trafficable pedestrian paving applications in commercial installations.

Unit Weight	Weight / Pallet	Ash	Black Sands	Glacier	Graphite	Natural	Onyx	Rockface	Stormy	Sumner	Terracotta	Volcanic Ash	Custom *
25.8kg	1,238kg												✓
18.kg	1,296kg												✓
12.9kg	1,548kg												✓
9.5kg	1,710kg												✓
7kg	1,680kg												✓
3.2kg	1,536kg												✓
n/a	n/a												✓
3.1kg	1,488kg												✓
3.1kg	1,488kg												
3.0kg	1,440kg												
7.5kg	1,350kg												
5.5kg	990kg												
17.0kg	1,122kg												
56kg / set	1,344kg												
12.1kg	1,162kg												
32kg	1,440kg												
41kg	1,640kg												
26kg	1,664kg												
10.2kg	1,581kg												✓
22.2kg	1,687kg												
23.0kg	1,794kg												
17.0kg	1,156kg												

\* Minimum Order Quantities apply

# BUILDING PRODUCT WARRANTY

## WE ARE 100% BEHIND OUR CONCRETE SEGMENTAL PAVING PRODUCTS

If any Firth Concrete Segmental Paving products fails to perform as claimed, Firth will work with the relevant parties to help resolve the issue.

## YOU'RE PROTECTED WITH FIRTH CONCRETE SEGMENTAL PAVING PRODUCTS

As New Zealand's largest manufacturer of concrete masonry products, Firth products are made for local conditions and to meet or exceed New Zealand Building Code requirements. Firth manufacture its concrete segmental pavers to NZS3116 in association with AS/NZS4455 and AS/NZS4456 with an independently audited quality management system confirming to AS/NZS ISO9001.

## PRODUCTS AND SYSTEMS

Concrete segmental paving are products which are combined with other products such as hardfill, bedding sand, joint sand, and sometimes coatings, to make up a system such as a paved area. To ensure compliance with the NZBC, design needs to comply with NZS3116. Installation of the paving system also needs to confirm to NZS3116. The Designer Series range shall be sealed by the installer. Sealing helps to increase long term durability, aid colour retention, and reduce maintenance. The Firth documents are available for free download on the Firth Website.

It is recommended that Firth Dricon products are used with Firth Segmental Paving products to ensure compliance with NZS3116.

## PRODUCT WARRANTY

Firth Industries warrants that Firth Concrete Segmental Paving Range will for a period of 10 years from the date of purchase:

- Be free from defects outside the acceptable limits specified in NZS3116 and AS/NZS4455 due to factory workmanship or materials used in manufacturing the product; and
- Subject to compliance with the conditions attached, that the products will perform to the extent set out in the relevant Firth Industries published literature current at the time of installation.

This warranty is subject to the storage, installation and maintenance requirements and the other warranty conditions set out in this document.

Texture and colour variation due to the natural material used can occur in masonry products and is not deemed a product defect. Minor chipping, cracking or efflorescence is also not deemed a product defect.

Nothing in this warranty shall exclude or modify any legal rights a customer may have under the Consumer Guarantees Act 1993 or otherwise which cannot be excluded or modified by law.

## PRODUCT INSTALLATION, MAINTENANCE & SUPPORT

This warranty is subject to Firth Concrete Segmental Paving Range being properly stored, installed and maintained in accordance with Firth Concrete Segmental Paving Product Technical Statement.

## CONDITIONS OF WARRANTY

This warranty is subject to the following conditions:

1. This warranty only applies where the product is used or installed in residential building work in New Zealand (the "project"). This warranty will be invalidated if the project is not designed and constructed in strict compliance with all relevant provisions of the New Zealand Building Code, and in compliance with other regulations and standards that apply to the project.
2. A person claiming under this warranty must provide written proof of purchase and make a written claim either within 30 days after the defect would have become reasonably apparent or, if the defect was reasonably apparent prior to installation, then the claim must be made prior to installation.
3. This warranty does not apply where the product has been used in any manner not in accordance with the product literature of Firth Industries that is current and publicly available at the time of purchase.
4. This warranty does not apply to normal wear or tear, or damage caused by accident, misuse, abuse, fire, earthquake, or other external cause. This warranty does not apply to any damage suffered during delivery.
5. In the event of a breach of this warranty during the warranty period Firth Industries will, at its sole option, do one of the following: (a) supply replacement masonry product; (b) rectify the defective masonry product; (c) pay for the cost of supplying replacement masonry for the defective masonry product; or (d) provide a refund of the purchase price of the defective masonry product. Firth Industries will not be liable for any losses or damages arising as a result of a breach of warranty or the defective product, other than as set out in this paragraph [5].
6. In the event of a breach of this warranty Firth Industries will not be liable in contract, tort, equity or for breach of any statute (to the fullest extent permitted by law) for any indirect losses or consequential damages of any kind, or for loss of profits, loss of use, loss of anticipated savings, loss of production, or loss of goodwill.
7. Firth Industries will not be liable under this warranty for any claims, damages, or defects arising from or in any way attributable to events outside of its control, including but not limited to: poor storage of product on site, incorrect installation or poor building work, poor design or detailing, defect or failure of other products, efflorescence, performance of paint/coating applied to the product, water ingress, normal wear and tear, growth of mould, mildew, fungi, or bacteria on the surface of the product, settlement or structural movement, combination of the product with other products, coatings or finishes not approved for use with the product, or acts of God (such as earthquakes, cyclones, floods or other severe weather conditions or unusual climatic conditions).
8. All warranties, conditions, liabilities and obligations other than those specified in this warranty are excluded to the fullest extent permitted by law.
9. No employee or representative of Firth Industries is authorised to modify this warranty unless such modification is made in writing and is signed by an authorised officer of Firth Industries.
10. If the project is a newly constructed residential dwelling that is constructed by a developer for the purposes of sale then this warranty is assignable by the developer to the initial purchaser of that dwelling. In all other cases, this warranty is non-transferable and non-assignable.
11. The statements in this warranty may be superseded at any time by Firth Industries publishing a new warranty on its website, and in that case the new warranty will apply from that date.





Please keep in mind when you are choosing Firth paving products, you are dealing with a natural material that can be influenced by a number of factors. While every care has been taken to obtain an accurate representation, the aggregates and oxides used to create these products are natural products and as a result variations will occur. Variations between North and South Island manufactured products will also occur due to locally sourced aggregates.

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ENVIRONMENTAL PRODUCT DECLARATION

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