WHY FIRTH PAVING?

1. 95 Year Proud History
   We’ve been developing, making and delivering concrete and concrete products to New Zealanders for almost a century.

2. Industry Leading
   Our technical team ensure you get top quality product that you can rely on.

3. Consistent Product Strength
   Engineered and manufactured to ensure consistency of strength and durability.

4. Highest Rating
   All of our products are formulated to meet strict NZ standards.

5. Kiwi Made
   Our pavers are all made from locally sourced materials.

6. Trade Trusted
   So you can be sure what we make, makes the grade. Always.

7. Innovation That Endures
   Our designers work closely with our engineers to ensure new designs will stand the test of time.

MADE TO ORDER

If you can’t find a colour or design mix that you’re looking for, please contact your local stockist or Firth Sales representative. For Made To Order stock, minimum order quantities will apply.

A Beautifully Natural Product

The appeal of concrete masonry is the natural characteristics and variation of aggregates featured within the mix. Similar to the features of real stone, our concrete products will have natural variation in colours and characteristics. So when choosing Firth Concrete Paving products, please expect colour hue variations and regional differences due to locally sourced materials. It’s all part of a beautifully natural product.

We advise viewing our products before making your final decision. Contact your local merchant, they’ll be happy to help.
**DESIGNER SERIES**

A STYLISH HONED PAVING RANGE THAT ALLOWS YOU TO ACHIEVE A PREMIUM FINISH, AND IS COMPLEMENTARY IN SIZE AND COLOUR, OFFERING YOU MORE FLEXIBILITY & CREATIVITY.

1. **HONED**
   For a high-end look at an affordable cost. Pavers are honed to expose the beautiful aggregate.

2. **COLOURS**
   Drawing inspiration from leading designers and home living trends.

3. **SQUARE EDGE**
   Get a modern tile look.

4. **SPACING LUGS**
   Evenly space out your pavers with ease.

5. **STANDARD 50MM**
   Paver depths make it easy to lay different paver sizes.

6. **INTERCHANGEABLE SIZING**
   Designer Series pavers are available in three compatible sizes to make designing easy: 400x400, 400x200. Look for the 🟠

7. **PLAY WITH PATTERNS**
   Blend colours, mixes and sizes to create designer landscapes.

**HONING**
Designer Series pavers must be sealed once laid as it is a honed product. As well as increasing long-term durability and colour retention, sealing reduces maintenance requirements for stains, while cleaning. All Designer Series products are sealed and a default 54 HONING is applied to the range unless otherwise stated. It is the responsibility of the installer to seal this range with water-based acrylic sealant.

**COLOUR**
Please keep in mind when you are choosing Firth Paving and retaining 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 appearance and characteristics of these products are subject to variation and in some cases, variation will occur between different shade numbers. Individual products are made to order and may differ slightly from the specified shade number.

**PERFECT FOR:**
PATIOS / PATHS / FEATURE PAVING

**FORUM**

**PIAZZA**

**PIAZZA**

**FORUM**
**FORUM®**

These hard wearing and impressive pavers provide designers and homeowners with a perfectly integrated, natural, tile-looking hardscape. Forum® dimensions are twice the size of the Piazza®. This offers the ability to incorporate a large format and medium format paver in your design.

6.25 units per m²

**PIAZZA®**

With its medium size and nicely balanced dimensions, the Piazza® paver is perfect for making smaller areas appear visually larger. Get creative by partnering with the Forum® paver or Holland® pavers.

12.5 units per m²

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Firth’s Designer Series paving range features technological innovation and on-trend design to give you the best in dry cast paving.

**COLOUR:** Avon, Milford Sound and Raglan Sands (sealed)

**SIZE:** Forum®

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**INTERCHANGEABLE PAVER**

See page 4

**80mm made to order option**

See page 2

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**HONING:** Designer Series pavers must be sealed unmounted as it is a honed product. As well as increasing long term durability and colour retention sealing reduces maintenance required for stains and cleaning. All Designer Series pavers are delivered honed with a ‘achine-finished’ surface. It is the responsibility of the installer to seal this range with acrylic water based sealant.

**COLOUR:** Please keep in mind when you are choosing Firth Paving and retaining 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 appearance and style shown in this brochure is intended for guidance only and the actual range of colours will vary. Variations between batch and distribution may occur due to minor colour variations.
Colour: Avon (sealed)
Size: Forum® and Piazza®

Colour: Avon and Milford Sound
Size: Forum® and Piazza®
(Image: Zones Landscaping / Jules Moore)

Colour: Avon
Size: Forum® and Piazza®

Colour: Avon (sealed)
Size: Forum® and Piazza®
**CLASSIC COLLECTION**

THE FIRTH CLASSIC COLLECTION SHOWCASES STANDARD FINISH (FAIRFACED) PAVERS IN BOTH CLASSIC AND CONTEMPORARY COLOURS TO CREATE UNIQUE LIVING SPACES THAT TRULY REFLECT YOUR TASTE & STYLE.

1. **NEW COLOURS**
   Drawing inspiration from leading designers and home living trends.

2. **ANGLED EDGE**
   For a classic paving look.

3. **SPACING LUGS**
   Evenly space out your pavers with ease.

4. **STANDARD 50MM**
   Paver depths make it easy to lay different paver sizes.

5. **INTERCHANGEABLE SIZING**
   Applies to Forum®, Piazza® & Holland® only. Look for the **1**

6. **PLAY WITH PATTERNS**
   Blend colours, mixes and sizes to create designer landscapes.

**PERFECT FOR:**

**PATIOS / PATHS**
Chancery®
Firth Chancery pavers are a larger format paver in a range of fashionable colours. Chancery pavers’ larger size make them economical and faster to lay.

4 units per m²

Courtyard Flagstone™
Firth Courtyard Flagstones are a classically attractive option for outdoor areas. They are suitable for covering larger areas, as well as pathways.

5 units per m²

Forum®
These hard wearing and impressive pavers provide designers with versatility for your landscapes. Stagger your design with the interchangeable Piazza® or Holland® pavers.

6.25 units per m²

Holland®
The economical and highly versatile Holland® paver offers a hard wearing solution for any footpath or patio need. Pair with Forum® or Piazza® pavers to create interest with striking patterns.

50 units per m²

Piazza®
With its medium size and nicely balanced dimensions, the Piazza® paver is perfect for making smaller areas appear visually larger. Get creative by partnering with the Forum® Paver or Holland® pavers.

12.5 units per m²

Walkway™
With their traditional look, Firth Walkway pavers are an economical and good-looking option for paving different areas around your home.

23 units per m²

Sealing
Sealing the paver will enhance durability, colour and the ease of cleaning and maintenance. All Classic Collection pavers are supplied unsealed. Firth recommends using a water-based acrylic sealant. It is the responsibility of the installer to seal this range.

For more information on Firth pavers, please visit www.firth.co.nz.

Colour: Black Sands and Volcanic Ash
Size: Forum®

Colour: Volcanic Ash
Size: Forum® and Piazza®
(Image: Zones Landscaping / Jules Moore)
**DRIVEWAY PAVING**

Now available in different depths, with an angled, ‘low chamfer’ edging to reduce paver breakage and damage.

**HOLLAND® SET**
The trademark cobbled-looking surface of the Holland Set gives you the ability to create a traditional stone look. Holland Sets are robust enough for a number of different design applications from urban vehicular rumble strips to parking bays.

50 units per m²

**WALKWAY™**
Now offered in the thicker 50mm depth, you can use the economical Walkway paver for light vehicle driveways as well as foot traffic areas.

23 units per m²

**ROAD KERBING**
Firth Kerbs come in various shapes to allow you to create an edge to complement your paving or a perimeter to car parks and access ways.

**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.

2.14 units per lineal metre

**MOUNTABLE KERB**
Firth Mountable Kerbs are used to form road edging and are ideal to form the 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.

2.5 units per lineal metre

**RADIUS KERB**
Firth Radius Kerbs are used in conjunction with Firth Road Kerbs where a 90-degree angle is required, for example, where driveway crossings are installed through the kerb line. Creates a 90-degree kerb angle.

2.5 units per lineal metre

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**NOTE:** Laying must be in accordance with NZS 3116. A minimum joint width must be maintained to avoid spalling.
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**HOW TO LAY PERMEABLE PAVERS**

See Firth Permeable Paving Installation Guide available at firth.co.nz / Contact 0800 FIRTH 1 for training

**ECOPAVE® PERMEABLE PAVING**

Firth’s ECOPAVE® Range provides permeable paving solutions to assist storm water management, reduce run-off, and filter pollutants from the water.

**POROUSPAVE**

Firth PorousPave is one of the paver options in the Firth EcoPave Range. The paver has a very open texture which allows water to filter through it to the underlying drainage medium. 80mm paver ideal for paths, patios, light residential traffic areas and public footpaths.

Permeability rate = 1200mm/hr, as installed 50 units per m²

**FLOWPAVE & FLOWPAVE SET**

Firth FlowPave is another option in the Firth EcoPave Range. The paver 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. Ideal for light to medium residential traffic areas including car parks. Nib spacers create wide gaps around paver to allow water drainage.

Permeability rate = 3600mm/hr, as installed 50 units per m²

**PATIO PAVER (NI ONLY)**

Firth Patio Paver in a stylish square format has enlarged nibs on all four sides which allows water to filter through. This paver is only available in the North Island.

Permeability rate = 1800mm/hr, as installed 11.11 units per m²

**GOBI® BLOCK**

A heavy-duty paved surface that’s up to the task for high-traction requirements. It’s also ideal for places where you want to retain a semi-grassed look; as the design allows grass to grow through. Permeability subject to top soil and type of grass.

25 units per m²

**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.

6.25 units per m²

**STORM WATER MANAGEMENT**

This product range is one of the solutions for storm water management in the unitary plan.

FLOWPAVE:

- Black Sands
- Natural

Gobi® Block:

- Natural
- Natural

PERMEABLE PAVING MUST BE LAID BY TRAINED PAVIOURS.

Firth offers trained pavers free training on how to lay permeable pavers. For further details phone 0800 Firth 1.
CARING FOR YOUR PAVING

WEED CONTROL

Regular sweep the paving area with a stiff brush is recommended to remove the natural build-up of detritus. This action also helps with weed control, removing the young weeds before they establish in the joints. Weeds rarely grow up through the paver but rather airborne seed settle in the sand joints. If dirt has built up and reduces the colour of the paving this can be regained with a wash using a mild detergent. Mix the water and simply scrub the paving with a stiff broom to wash away any dirt or sand with a hose. Ensure all detergent has been thoroughly washed away upon completion of the cleaning. Water washers are a popular alternative to scrubbing. On using a water wash hold the washer at an approximate 30 degrees to the paving and use a fan spray not a pencil spray. This will help reduce the loss of jointing sand but the likelihood of leaving “clean line” markings on the pavers. Upon completion of the cleaning, check the joint sand levels and replenish if necessary.

MOSS & ALGAE

Moss, lichens and algae should only occur if the paved area is shaded or inadequately drained. If such growths do occur they can be controlled with a mixture of bleach/water. Simply apply over the affected area using a water can and leave for 20 minutes then wash off with a hose and brush. Use lots of water to dilute the residue as the bleach will not only kill the moss, algae but other plants and fungi. It may take 2 or 3 applications to fully control the occurrence. Lichens are a little more stubborn and may require a stiff brush to encourage them to move on along with the bleach mixture. There are also products specifically designed to deal with lichens on the market, but check that they do not contain ferrous sulphate - this can react with the concrete product leaving a brown stain. Specific cleaning agents are available from various distributors. Firth do not recommend the use of high pressure water blast as they can damage the paving surface and do not kill all the moss and algae spores thus encouraging early regrowth. Always keep or new paver dry, covered and out of direct sunlight to avoid assuring the development and minimise the development of discoloration, moss and algae.

EFFLORESCENCE

Efflorescence usually presents as a whitish deposit or stain on the surface of the paving, often giving the paver colour wash out appearance. The occurrence of efflorescence is sporadic and unpredictable most often present in the first three months. Loss of jointing sand may also occur. Efflorescence is a temporary phenomenon and will usually disappear in time through weathering, but this may take from some months to several years. While Firth attempts to minimise the occurrence of efflorescence, we are unable to prevent or control this occurrence. Firth do not require products that effloresce. There are several products on the market that may assist in the removal of efflorescence, most of these products contain acids so it is important that all manufacturer’s instructions and relevant environmental regulations are followed. Unusual careless application may result in injury or damage and discolouration to the paving units being treated. We would strongly recommend a test panel be applied in an inconspicuous area before treating the site. For heavy deposits it may require more than one treatment. Never exceed recommended mix rates in an effort to speed up the process, over application will alter the colour / texture of the paver. If applying an acid wash we recommend soaking the paving prior to its application and waiting until the surface has dried to damp condition. This limits the depth of penetration and minimizes potential loss of surface durability. Efflorescence is transparent when wet - wait for paving to dry before sealing to make sure all efflorescence is removed. Firth recommends Dricon® CT.

SEALING

Sealing can improve the paver’s appearance and help to reduce weed growth. Sealers can only assist in sealing the joint sand inhibiting weed growth, assist in keeping the paving clean by creating a barrier for dirt, moss and algae and if applied correctly can reduce the likelihood and appearance of efflorescence. There are several types of sealers on the market, broadly broken down into two categories: penetrating sealers and surface coatings. Penetrating sealers will enhance the paving colour to different degrees and some sealants will affect the paver’s slip resistance. As suitability varies, please contact Firth (0800 347 841) to discuss the best sealant type for your paving. Consultation with a sealing supplier is then recommended to select the brands and options best suited to that guidance. When applying it is important to read the manufacturer’s instructions prior to commencing the job and abide by any relevant environmental guidelines.

HEALTH AND SAFETY

Careful cleaning and sealing methods as listed involve the use of chemicals. All safety warnings provided by the supplier should be followed and adhered to at all times. Always work in an adequately ventilated area. When diluting acid it is always advisable to add water to acid not to acid to reduce the risk if splashing occurs. Before starting any cleaning or sealing a trial should be undertaken on a small inconspicuous area to determine the effects on the paving.

WE ARE 100% BEHIND OUR CONCRETE SEGMENTAL PAVING PRODUCTS

If your 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 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 compliance 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 with NZS3116. The Designer Series range shall be designed to the relevant standard, taking into account 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 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

• 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 product will perform for a period of 10 years from the date of purchase, as follows: (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].

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 extent permitted by law) for any 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 acts or omissions outside of its control, including but not limited to: poor storage of product on site, incorrect installation or post treatment, incorrect 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).

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 any terms of this warranty. Any modification, amendment or addition to this warranty in writing and is signed by an authorised officer of Firth Industries.

10. If the恭遇 product is a newly constructed residential dwelling that is constructed by a developer for the purposes of sale then this warranty will be assigned to the Purchaser of that dwelling. In all other cases, this warranty is non-transferable and non-assessable.

11. This warranty is subject to the following conditions:
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