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 NZ standards.

5. KIWI MADE
   Our pavers and retaining blocks 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.
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 aggregates and oxides used to create these products are natural products and as a result some variations will occur. Variations between North and South Island manufactured products will occur due to locally sourced materials.

**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 required for stains, while entertaining. All Designer Series pavers are delivered unsealed. It is the responsibility of the installer to seal this range with water based acrylic sealant.

**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 two compatible sizes to make designing easy: 400x400, 400x200. Look for the "I" symbol.

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

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

**FORUM**
400 x 400

**PIAZZA**
400 x 200

**INTERCHANGEABLE SIZING**
Designer Series pavers are available in two compatible sizes to make designing easy: 400x400, 400x200. Look for the "I" symbol.

**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 required for stains, while entertaining. All Designer Series pavers are delivered unsealed. 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 aggregates and oxides used to create these products are natural products and as a result some variations will occur. Variations between North and South Island manufactured products will occur due to locally sourced materials.
Firth's Designer Series paving range features technological innovation and on-trend design to give you the best in dry cast paving.

**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

**HONING:** Designer Series pavers must be sealed immediately 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 unsealed. 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 colour shown in catalogues and product range files can vary. Small size variations will occur, especially between different batches, and to maintain the best results in your installation, please consult your local Firth representative.
TOP
Colour: Avon and Milford Sound
Size: Forum® and Piazza®
(Image: Zones Landscaping / Jules Moore)

ABOVE
Colour: Avon
Size: Forum® and Piazza®

←
Colour: Avon (sealed)
Size: Forum® and Piazza®
LAYOUT IDEAS

Colour: Avon, Milford Sound and Black Sands
Size: Piazza®, Forum® and Holland®
The Firth Classic Collection showcases standard finish (fairsted) 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 i.

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

**PERFECT FOR:**
Patios / Paths
Interchangeable paver  
See page 4
80mm made to order option  
See page 2

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 aggregates and oxides used to make these products are natural elements that as such may exhibit variations in colour. Variations between North and South Island manufactured products will occur. Variations in colour may occur due to season variations or due to natural material.

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

CLASSIC COLLECTION

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

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

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

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

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

Name: xxxx xxxxx
Colour: xxxxx xxxx

COLOUR: Volcanic Ash
Size: Forum® and Piazza®
(Image: Zones Landscaping / Jules Moore)
Colour: Black Sands (sealed)
Size: Courtyard Flagstone

Colour: Thunderstorm
Size: Chancery

Colour: Volcanic Ash
Size: Chancery
NOW AVAILABLE IN DIFFERENT DEPTHS, WITH AN ANGLED, ‘LOW CHAMFER’ EDGING TO REDUCE PAVER BREAKAGE AND DAMAGE.

HOLLAND®
The clean lines of the Firth Holland® paver offer a flexible, stylish paving solution that is ideal for domestic driveways and parking areas.
50 units per m²

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
You can use the economical Walkway paver only for light vehicle driveways as well as foot traffic areas.
23 units per m²

EURO KERB
Firth Euro Kerbs are a popular domestic kerb, creating an attractive edge in colours that complement your paving. These interlocking kerbs are 150mm high.
2.5 units per lineal metre

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

**PERMEABLE PAVING MUST BE LAYED BY TRAINED PAVIOURS. Firth offers trained pavers free training on how to lay permeable pavers. For further details phone 0800 FIRTH 1**

**HOW TO LAY PERMEABLE PAVERS**

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

**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

**FLOWPAVE COLOURS:**

- Natural
- Black Sands

**FLOWPAVE SET COLOURS:**

- Natural
- Black Sands
- Stormy Sunset

**COLOR:** 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 paver has been taken to represent an accurate representation, the aggregates and oxides used to create these products are natural products and as a result some variations will occur. Variations between North and South Island manufactured products will occur due to locally sourced materials.
CARING FOR WEED CONTROL

INITIAL MAINTENANCE

During the early life of flexible pavement, the jointing sand may settle in the joint with the natural action of rain water. It is important that the jointing sand is maintained by the owner as required to maintain full locking of the paving units and jointing sand may need to be reapplied to the joint edges within the first three months. Loss of jointing sand can sometimes allow the growth of edges on some paving types.

Firth recommends Dricon® Pavesand.

WEED CONTROL

If weeds become established in the paving joints they can be removed by hand, hot water, steam, waterblaster or controlled with the use of a weed killer. If weeds are removed by hand be aware that the hot water, steam, waterblaster or controlled with the use of a weed killer. These weed killers are generally more selective and are less likely to stain or discolor the paving surface. Always check the manufacturer’s directions on use and application.

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 1:1 dilution of bleach/water. Simply apply over the affected area using a water can and leave for 5-10 minutes then wash off with a hose and brush. Use lots of water to dilute the residue as the bleach will not kill the moss, lichen or algae but other plants quite well. 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 blasters as they can damage the paving surface and do not kill all the moss and algae spores; thus encouraging early regrowth. Always keep spare or unaided paving dry, covered and out of direct sunlight to avoid the growth of fungi 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 paving a washed out appearance. The occurrence of efflorescence is spasmodic and unpredictable most often presenting in the winter months within the first three years of installation. Efflorescence is a temporary phenomenon and generally naturally disappear in time with 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 replace 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. Incorrect or careless application may result in injury or damage and discoloration 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 paving. If applying a chemical 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 paving’s appearance and help to reduce maintenance. A sealer can often 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 into a penetrating sealing type and a surface coating sealing type. Different types will enhance the paving colour to different degrees and some sealants will affect the paving’s slip resistance. As suitability varies, please contact Firth (0800 347 841) to discuss the best sealer type for your paving. Consultation with a sealing supplier is then recommended to recommend sealer 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

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

PRODUCTS AND SYSTEMS

Concrete segmental paving products are 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 NZ3516. Installation of the paving system also needs to confirm to NZ3516. 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 NZ3516.

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 NZ3516 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 literature published current literature 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 in the paving products will not be 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 AND SUPPORT

This warranty is subject to Firth Concrete Segmental Paving Products being installed, sealed and maintained in accordance with Firth Concrete Segmental Paving 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 requirements of the relevant local regulations.

2. A person claiming under this warranty must provide written proof of purchase and make a written claim either within 30 days after the occurrence of the defect or within 30 days of the occurrence of the defect being reasonably apparent prior to installation, then the claim must be made prior to installation. This warranty will 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 publically available at the time of purchase.

3. 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.

4. In the event of a breach of this warranty during the warranty period Firth Industries will, at its option, do one of the following: (a) supply replacement product material; (b) rectify the defective product; (c) pay for the cost of supplying replacement material for the defective product; or (d) provide a refund of the purchase price of the defective material product. Firth Industries will not be liable for any losses or damages arising as a result of a breach of warranty or the warranty period as set out in this paragraph [5].

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 statutory duty to the extent that such losses or damages are a consequence of or in connection with, or arising directly or indirectly from, or in any manner not in accordance with, the purchase or use of the product or any damages or losses suffered by the owner or any other person, other than as set out in this paragraph [5].

6. Any claims, damages, or defects arising from or in any way attributable to the product, or to the supply of the product, or to the owner’s failure to comply with the conditions set out in this document.

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 signed by an authorised officer of Firth Industries that is current and publically available at the time of installation.

10. If the project is a newly constructed residential dwelling that is constructed by a developer for the purposes of sale then this warranty shall be enforceable by the owner 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.
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**PLEASE NOTE:** All colour reproductions printed in this brochure are as close as possible to the original, however due to the printing process, some variations in colour and shading may occur.

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