RETAINING WALLS BY FIRTH
CHOOSE THE WALL THAT’S RIGHT FOR YOU

WHEN YOU NEED A RETAINING WALL, FIRTH HAS A GREAT RANGE OF EASY TO ASSEMBLE OPTIONS FOR THE DIYER - FROM SMALL INTERLOCKING BLOCKS FOR SMALL JOBS TO BIGGER BLOCKS FOR BIGGER JOBS. CHECK OUT OUR HANDY TABLE BELOW TO HELP YOU CHOOSE THE WALL THAT WILL WORK BEST FOR YOU.

<table>
<thead>
<tr>
<th></th>
<th>Ezi Wall®</th>
<th>Sedona Stone®</th>
<th>Garden Wall®</th>
<th>Country Manor®</th>
<th>Compac III®</th>
<th>Compac IV®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max height</td>
<td>0.5m</td>
<td>0.5m</td>
<td>0.7m</td>
<td>0.6m near vert</td>
<td>0.7m near vert</td>
<td>0.7m vertical</td>
</tr>
<tr>
<td></td>
<td>0.9m* with batter setback</td>
<td>1m* with batter setback</td>
<td>1m* with batter setback</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Straight wall</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Curved walls</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Vertical</td>
<td>✔</td>
<td>✗</td>
<td>✗</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Battered/Setback</td>
<td>✗</td>
<td>✔</td>
<td>✗</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Corners</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Step option</td>
<td>✗</td>
<td>✗</td>
<td>✗</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Block face size</td>
<td>Small</td>
<td>Small</td>
<td>Medium</td>
<td>Various</td>
<td>Large</td>
<td>Large</td>
</tr>
<tr>
<td>Per m²</td>
<td>57 units</td>
<td>50 units</td>
<td>33.3 units</td>
<td>8.6 sets</td>
<td>11 units</td>
<td>11 units</td>
</tr>
</tbody>
</table>

* Maximum domestic height in good soil conditions with no loading measured from top of foundation to the top of the wall with a minimum of a 50mm embedment. Country Manor® and Compac IV® can be built higher when specifically designed by a suitable, qualified engineer and combined with soil reinforcement.
**EZI WALL®**

FIRTH EZI WALL® IS ONE OF THE LIGHTEST SEGMENTAL WALL SYSTEMS AVAILABLE. MINIMAL FOUNDATION PREPARATION IS REQUIRED, SO WALLS ARE EASILY CONSTRUCTED USING THE UNIQUE INTERLOCKING SYSTEM.

- Small size block: approx 5.6kgs
- Interlock system makes for easy installation
- Build curved, straight or terraced walls
- Easy to install
- Available in three colours

**VERTICAL WALL UP TO 0.5m**

**57 units per m² / 7.14 units per lineal metre**

---

**SEDONA STONE®**

KEYSTONE SEDONA STONE® IS THE LIGHTEST SEGMENTAL WALL SYSTEM AND IS IDEAL FOR CREATING LOW DIY WALLS, DECORATIVE TREE RINGS, PLANTERS, RAISED GARDEN BEDS OR FINISHING YOUR LAWN EDGE.

- Lightweight weighs approx 5kgs
- Build straight, curved or terraced walls
- Secure interlock system
- Easy to install

**BATTER SETBACK UP TO 0.5m**

**50 units per m² / 5 units per lineal metre**

| Maximum laying height |}

---

**COLOUR OPTIONS:**

- Rockface
- Volcanic Ash
- Onyx

---

**COLOUR OPTIONS:**

- Rockface
- Ash
- Charcoal
GARDEN WALL®

KEYSTONE GARDEN WALL® HAS THE NATURAL LOOK OF QUARRIED STONE ALLOWING IT TO BLEND IN WITH ANY LANDSCAPE. PERFECT FOR LANDSCAPE RETAINING WALLS, TREE RINGS, PATIO, LAWN EDGING AND GARDEN OR FLOWER BORDERS.

- Medium size block: approx 13kgs
- Interlock system makes for easy installation
- Build curved, straight or terraced walls
- Easy to install

**BATTER SETBACK UP TO 0.5m**

33.3 units per m² / 3.3 units per lineal metre

---

COUNTRY MANOR®

KEYSTONE COUNTRY MANOR® IS RANDOM AND RUGGED IN APPEARANCE MAKING THESE HIGH STRENGTH CONCRETE BLOCKS CONJURE UP IMAGES OF OLD EUROPEAN ESTATE WALLS ADDING CHARACTER TO ANY PROJECT.

**COLOUR OPTIONS:**

- Rockface
- Ash
- Charcoal

---

**COLOUR OPTIONS:**

- Rockface
- Ash
- Onyx

*Available North Island only.

**VERTICAL WALL UP TO 0.6m**

8.6 units per m² / 3.6 units per lineal metre / 56kg/set

*Maximum laying height. Sold as set of three bricks.
COMPAC® III

KEYSTONE COMPAC® III FEATURES UNRIVALED AESTHETIC OPTIONS AND PROVEN WALL PERFORMANCE. INSTALLERS OFTEN PREFER THE COMPAC® III’S LIGHTER WEIGHT MAKING IT EASY TO HANDLE.

STRAIGHT FACE 32kg  
CAPPING UNIT 26kg

CORNER 45kg  
FIBREGLASS PIN

Note: Compac® III and Compac® IV are not compatible.

↑ VERTICAL WALL UP TO 0.7m*  
↑ BATTER SETBACK UP TO 1m*

11 units per m² / 2.19 units per lineal metre

*Maximum laying height

COLOUR OPTIONS:

- Rockface
- Onyx

RETAINING WALL COMPAC III: ROCKFACE

COMPAC® IV

ALTHOUGH KEYSTONE COMPAC® IV IS CAPABLE OF COMMERCIAL APPLICATIONS, THE LARGE AND RUGGED UNITS ARE ALSO POPULAR IN DIY LANDSCAPING APPLICATIONS FOR DOMESTIC RETAINING WALLS UP TO 1M.

TRI-FACE 33kg  
CORNER 45kg

FIBREGLASS PIN

STRAIGHT FACE 34kg  
CAPPING UNIT 26kg

↑ VERTICAL WALL UP TO 0.7m*  
↑ BATTER SETBACK UP TO 1m*

11 units per m² / 2.19 units per lineal metre

COLOUR OPTIONS:

- Rockface
- Onyx

*AVAILABLE NORTH OF TAUPO ONLY

**AVAILABLE SOUTH TAUPO ONLY

COMPAC IV: ROCKFACE
5 EASY STEPS TO RETAINING

1 PREPARE THE BASE LEVELLING PAD
   > Excavate a shallow trench according to the block type being installed
   > Leave enough space behind for the drainage material as required
   > The base should be levelled crushed aggregate

2 INSTALL THE FIRST COURSE & PINS
   > Place the first course of blocks side by side (with sides touching) on the prepared base
   > Ensure the blocks are installed in the correct attitude
   > Make sure each unit is level front to back and side to side and in line with its neighbour
   > Once first course is laid and levelled install fibreglass pins if required

3 BACKFILL & COMPACT
   > Fill voids in and between blocks with a suitable drainage material
   > Back fill behind block with drainage material or existing soils if allowed and compact
   > Place fill and compact on a course by course basis
   > Once filled to level sweep off top of block to prepare clean surface free of debris so next course can sit evenly

4 INSTALL ADDITIONAL COURSES
   (NO MORTAR REQUIRED)
   > Place the next course of blocks on top of the first course using the locating nibs or the locating pins
   > To ensure correct block placement, back fill and repeat for each remaining course until capping

5 CAP THE WALL
   > For Sedona & Garden Wall there is no cap unit, simply bring the top soil to the back of the block
   > The Country Manor cap requires an adhesive to lock in place
   > For walls in areas of high public usage it is recommended that all cap units are glued
   > Bring the soil to the back of the cap unit

AND DON’T FORGET... CHECK WITH YOUR COUNCIL!
Before you start any landscaping or building project, it’s important you make sure the finished job will comply with the appropriate building codes and council regulations.

For full information on the regulations applying in your area, call the engineer’s office at your local council.

EFFLORESCENCE: Naturally occurs in all concrete products. It is a deposit of white salts carried to the surface of the product by water, and happens most commonly when the product is exposed to moisture. Efflorescence will likely continue to occur until the moisture source is stopped, usually by sealing. Efflorescence can calcify with time and become difficult to remove. Efflorescence is not considered to be a material defect, but rather a naturally occurring issue common to all forms of concrete masonry. 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. Refer to the Masonry Product Care sheet on our website for more information.

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. Keep in mind when you are choosing Firth 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.

0800 FIRTH 1 FIRTH.CO.NZ
This guide has been produced to illustrate the options available. It does not provide detailed design and construction information. Further information can be found on firth.co.nz or call 0800 FIRTH 1.

Keystone® is a registered trademark in NZ of Keystone Retaining Wall Systems LLC and used under licence by Firth, a division of Fletcher Building Holdings Ltd.

RB0202003