PENTABLOCK™ is a unique interlocking vertical construction block system with a Natural stone option. These blocks feature a patented design with a simple rebate joint and mortarless quick and easy construction process. PENTABLOCK™ creates pure vertical structural walling used for all applications in all construction industries including retaining walls, feature walls, structural columns, garden and water features, fencing, fireplaces, firepits, swimming pools and much more.
PENTABLOCK™ INSTALLATION

PENTABLOCK™ is quick and easy to install with no qualification or construction experience required. Once the first course of blocks is laid in perfect line and level the rest of the walling simply stacks together like Lego.

STEP 1 - Excavate to a satisfactory foundation depth,
STEP 2 - Place the foundation steel reinforcement as shown in the diagrams or specified.
STEP 3 - Pour the concrete foundation and let cure for a minimum of 24hrs.
STEP 4 - Set first course of blocks in mortar insuring perfect line and levels assuring alignment is maintained.
STEP 5 - Laying of PENTABLOCK™. Blocks are simply stacked on top of each other in brick bond.
STEP 6 - Cavity’s are to be filled with a concrete grout if walling is 3 or more blocks in height.

PENTABLOCK RETAINING WALL SCHEDULE

(Pentablock retaining wall heights can be increased from our guidelines below. Please contact or engage a registered engineer for more information)

<table>
<thead>
<tr>
<th>RETAINING HEIGHT (H)</th>
<th>STARTER BARS CRS (S)</th>
<th>FOOTING WIDTH (W)</th>
</tr>
</thead>
<tbody>
<tr>
<td>600</td>
<td>N12Ø BARS @ 360 CRS</td>
<td>500</td>
</tr>
<tr>
<td>750</td>
<td>N12Ø BARS @ 360 CRS</td>
<td>600</td>
</tr>
<tr>
<td>900</td>
<td>N12Ø BARS @ 360 CRS</td>
<td>750</td>
</tr>
<tr>
<td>1050</td>
<td>N12Ø BARS @ 360 CRS</td>
<td>900</td>
</tr>
<tr>
<td>1200</td>
<td>N12Ø BARS @ 360 CRS</td>
<td>1000</td>
</tr>
<tr>
<td>1350</td>
<td>N12Ø BARS @ 360 CRS</td>
<td>1150</td>
</tr>
</tbody>
</table>
160mm STANDARD CONCRETE BLOCKS

- **Standard Full Block**
  - 360mm x 150mm x 160mm
  - 100mm (cavity)

- **Standard Half Block**
  - 180mm x 150mm x 160mm
  - 100mm (cavity)

- **Standard Full End Block**
  - 340mm x 150mm x 160mm
  - 100mm (cavity)

- **Standard Half End Block**
  - 160mm x 150mm x 160mm
  - 100mm (cavity)

160mm NATURAL STONE BLOCKS (single sided)

- **Stone Full Block**
  - 360mm x 150mm x 160mm
  - 100mm (cavity)
  - 200mm-220mm including stone

- **Stone Half Block**
  - 180mm x 150mm x 160mm
  - 100mm (cavity)
  - 200mm-220mm including stone

- **Stone Full End Block**
  - Left Hand
  - 340mm x 150mm x 160mm
  - 200mm-220mm including stone

- **Stone Half End Block**
  - Left Hand
  - 160mm x 150mm x 160mm
  - 100mm (cavity)

- **Stone Full End Block**
  - Right hand
  - 340mm x 150mm x 160mm
  - 200mm-220mm including stone

- **Stone Half End Block**
  - Right hand
  - 160mm x 150mm x 160mm
  - 100mm (cavity)

160mm NATURAL STONE BLOCKS D series (double sided) Special order

- **Stone Full Block D series**
  - 360mm x 150mm x 160mm
  - 100mm (cavity)
  - 220mm-280mm including stone

- **Stone Half Block D series**
  - 180mm x 150mm x 160mm
  - 100mm (cavity)
  - 220mm-280mm including stone

- **Stone Full End Block D series**
  - Right hand
  - 340mm x 150mm x 160mm
  - 220mm-280mm including stone

- **Stone Half End Block D series**
  - Right hand
  - 160mm x 150mm x 160mm
  - 220mm-280mm including stone

190mm block for larger construction also available in full range Special order

600mm x 150mm stick on LEDGE STONE PANELS in same colour range

- **Full Panels**
  - 600mm x 150mm x 30-68mm
  - 4 x panel per box
  - 3 x box of panels = 1m2

- **Corner panel 2 piece sets**
  - 2 x 400mm x 150mm
  - 1 x 200mm x 150mm (corner packaging)
  - 4 x corner sets per box (8 pieces)
  - 1 x box = 600mm lined mt of corner.
**PENTABLOCK™ ADVANTAGES**

- Dry Stack system
- Rapid construction
- Construction time up to 75% faster than conventional methods
- 3 hour fire rating
- Unique interlocking design
- Significantly reduces mess and congestion on site
- Comes in many color and stone options
- No tanking or waterproofing required in some applications
- 25% stronger than conventional masonry construction
- Easy to render with no moisture lines from mortar joints
- And many more

**COLOUR RANGE**

- MELBOURNE (BASALT)
- BLUE MOUNTAIN (GRANITE)
- GRAMPIANS (HARD LIMESTONE)
- FINK (GRANITE)

**SPECIAL ORDER COLOUR RANGE (6 weeks)**

- NEWCASTLE (LIMESTONE)
- KAKADU (GRANITE)
- PUZZLE STACK (HARD LIMESTONE)

**NEW COLOURS ARE TO BE RELEASED SOON PLEASE GO TO OUR WEBSITE FOR MORE INFORMATION**

**NATURAL STONE CAPPING SYSTEM & COLOUR RANGE**

- GREY GRANITE
- GOLD GRANITE
- WHITE GRANITE
- BLUESTONE

- Straight Capping and End Capping in the following sizes:
  - 1m x 250mm

- Also available:
  - 600mm x 600mm pillar Caps to suit Pentablock columns.

**PENTABLOCK™ APPLICATIONS**

The PENTABLOCK™ Walling System is suitable for many residential, commercial and industrial applications such as:

- Retaining walls
- Basement and exterior walls
- High strength load bearing walls
- Construction were high strength cyclone ratings are required
- Multi story commercial and residential construction
- Common dividing walls and boundary walls
- Swimming pool construction
- Fencing
- Interior feature walls
- Steps and stairs
- Pillars & column’s
- Landscape features
- Underground tanks
- Letterboxes & Fireplaces
- And many more

**DISTRIBUTED BY**

For more information please visit [www.pentablock.com.au](http://www.pentablock.com.au)