

# Vee™ Interlocking Concrete Blocks



Class A1 fire resistant in accordance with clause 4.3.4.4 of EN 13369.

Elite are the only manufacturer of a block which locks together both horizontally and vertically, the Vee™ Interlocking Concrete Block.

Originally designed to provide radiation shielding the Vee™ Interlocking block is an incredibly versatile product that will excel in the most demanding of applications. The blocks interlock with each other using a unique 'V' system along the base, sides and top giving incredible strength and stability.

The standard block is a **B1 1830mm x 610mm x 610mm** (highlighted in the table overleaf) and weighs in at 1600kgs. See reverse for the full range and specifications.

Applications include...

**Radiations shielding**

**Counter weights/Kentledge blocks** for hoarding, free standing towers etc,

**Flood barriers**

**Sea defence**

**Radiation shielding**

**Soil/aggregate bay walls**

**RDF/Black Bag Waste**

**Earth retention**

**Security barriers**

**Traffic calming**

**Please note:** The concrete finish of our interlocking blocks is classed as 'Basic' in accordance with the 4th Edition of the National Structural Concrete Specification for Building Construction. <https://formworkdoka.com/2019/08/12/a-guide-to-visual-and-architectural-concrete-finishes/> i.e. there are no requirements other than the concrete being adequately compacted to achieve the density and compressive strength required. The Legato blocks have a moulded face and a trowelled face - where appearance might be of concern, the moulded face tends to offer a smoother and more consistent look. Please note that blocks can be easily damaged if impact occurs during construction and Elite cannot be held responsible for damage caused after the blocks have been delivered and signed for by the client.

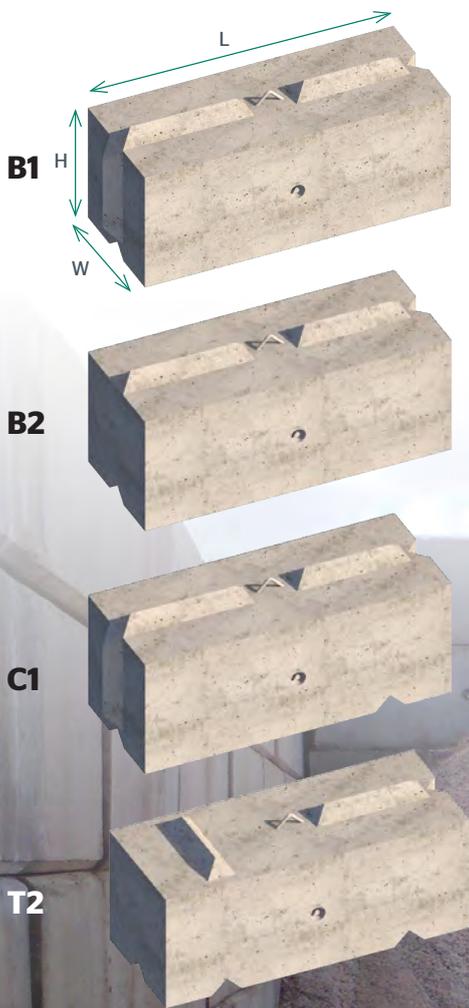
For more information on Elite quality concrete products phone 01952 588 885 or browse [www.eliteprecast.co.uk](http://www.eliteprecast.co.uk)

# Vee™ Interlocking Concrete Blocks

## Vee™ block types

All blocks measure 610mm square in cross section, but vary in length. B1 blocks are the standard type of block and are identified by having a V-shaped groove (female) on the bottom and one end of the block, and V-shaped projections (male) on the top and opposite end of the block. The direction of build is the direction in which the male projections should be pointing when assembling the wall.

B2 blocks are identical to B1 blocks with the exception that the male projection on the end of the block has been removed leaving a flat surface. The blocks are used to butt up to blocks which are at 90 degrees to the direction of build. They are also used at the end of walls to produce a smooth finish to the wall.



**Important note:** Prior to lifting older / pre-used blocks check the lifting pin for wear / corrosion and check the block for cracks. If the block is cracked or the pin is worn it could fail when being lifted.

| Vee™ Block Code | L x W x H mm            | Weight        |
|-----------------|-------------------------|---------------|
| B1-610          | 610 x 610 x 610         | 533kg         |
| B1-915          | 915 x 610 x 610         | 800kg         |
| B1-1220         | 1220 x 610 x 610        | 1067kg        |
| B1-1525         | 1525 x 610 x 610        | 1333kg        |
| <b>B1-1830</b>  | <b>1830 x 610 x 610</b> | <b>1600kg</b> |
| B2-610          | 610 x 610 x 610         | 533kg         |
| B2-915          | 915 x 610 x 610         | 800kg         |
| B2-1220         | 1220 x 610 x 610        | 1067kg        |
| B2-1525         | 1525 x 610 x 610        | 1333kg        |
| B2-1830         | 1830 x 610 x 610        | 1600kg        |
| C1-1525         | 1525 x 610 x 610        | 1333kg        |
| C2-1525         | 1525 x 610 x 610        | 1333kg        |
| T2-1525         | 1525 x 610 x 610        | 1333kg        |
| FB-610          | 610 x 610 x 610         | 533kg         |
| FB-915          | 915 x 610 x 610         | 800kg         |
| FB-1220         | 1220 x 610 x 610        | 1067kg        |
| FB-1525         | 1525 x 610 x 610        | 1333kg        |
| FB-1830         | 1830 x 610 x 610        | 1600kg        |
| HB-610          | 610 x 610 x 305         | 266kg         |
| HB-915          | 915 x 610 x 305         | 400kg         |
| HB-1220         | 1220 x 610 x 305        | 533kg         |
| HB-1525         | 1525 x 610 x 305        | 666kg         |
| HB-1830         | 1830 x 610 x 305        | 800kg         |

**Additional Notes:** Wind loading can affect the stability of single skin, stand-alone Vee block walls above 4.27m high. If in doubt get it checked by a qualified structural engineer. Direct impact between mobile plant / heavy machinery and the top row of interlocking blocks walls should be avoided at all times as this could dislodge blocks from the wall.

C1 and C2 blocks (combination blocks) interlock courses at corners. As well as having the usual groove in the bottom of the block, combis have transverse grooves running across the width of the block. This is designed to lock the blocks in the course below. C1 blocks, (as with B1 blocks), have the male V projection on the end of the block. C2 blocks have a flat male end as with B2 blocks.

T2 blocks are specifically designed for the formation of intermediate bay walls. These blocks have a flat male face.

There are also a series of flat top coping blocks, these being standard 610 depths (FB blocks), or 305 depths (HB blocks).



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**Important note:** It is the customer's responsibility to ensure appropriate structural checks are carried out before any precast concrete products are installed.