



INTERBLOC

PRECAST CONCRETE WALL SYSTEM

ENVIROCON
CAPTURING CONCRETE EXCESS



BUILD FASTER

ABOUT INTERBLOC

Interbloc is a modular precast concrete wall system for faster, stronger, and safer construction. Uniquely, Interbloc offers an unparalleled flexibility to reconfigure walls as needed without compromising structural integrity.

How do we do this? Great design.

Great design lies at the heart of our business. We think about the people who will use our blocks, and the places our blocks will be used.

Our designs are guided by the power of simplicity, because simple systems are fast to learn and easy to use.

The block designs look simple enough, but when you dive deeper they deliver a powerful combination of benefits.

They're fast to install, reducing wasted time and labour.

They're strong, delivering unparalleled durability and resilience.

They're safe, with a fully engineered system and certified lifting.

By partnering with Interbloc, you can grow productivity.

COMMON USES:

- Retention Walls
- Retaining Walls
- Bulk Materials Storage
- Fertiliser Storage
- Settlement Ponds
- Temporary Retaining
- Precast Building Foundations
- Deadman and Hoardings
- Rural Feed Storage

ABOUT
INTERBLOC

WHY CHOOSE
INTERBLOC?

HOW WE
COMPARE

THE BLOCKS

REINFORCING

INSTALLATION
PROCESS

SUSTAINABILITY



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interbloc.co.nz

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WHY INTERBLOC?



FASTER

Precast blocks stack together with ease - two people can build up to 160m of wall per day.



FUTURE PROOF

Blocks can be reconfigured with ease or on-sold when no longer required.



STRONGER

600mm thick solid concrete blocks and a unique interlocking shear key deliver unparalleled strength in the harshest environments.



ASSURANCE

All our premium blocks come with comprehensive warranties, we even offer a unique Buyback Guarantee. Minimum MPa blocks can be supplied on request.



SAFER

Fully engineered system and certified lifting. Specific engineering available.



BUYBACK

We back our system 100% and offer a unique buyback guarantee* on the blocks.

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BUILD SAFER

INTERBLOC

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HOW WE COMPARE

Interbloc delivers a unique combination of benefits at a cost-effective price point.

| | INTERBLOC BUILD FASTER, STRONGER, SAFER | TILT SLAB | TIMBER | MASONRY BLOCK |
|-----------------------|---|-----------|--------|---------------|
| SPEED OF CONSTRUCTION | ✓ | ✓ | ✗ | ✗ |
| DURABILITY | ✓ | ✓ | ✗ | ✓ |
| SUSTAINABILITY | ✓ | ✗ | ✓ | ✗ |
| FLEXIBILITY | ✓ | ✗ | ✗ | ✗ |
| COST EFFECTIVENESS | ✓ | ✗ | ✓ | ✗ |

HOW WE COMPARE

THE BLOCKS

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BUILD FLEXIBLE

THE BLOCKS



1200 STANDARD

Size: 600x600x1200mm

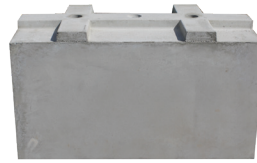
Weight: 1000kg



1200 FLAT TOP

Size: 600x600x1200mm

Weight: 1000kg



1200 FLAT BOTTOM

Size: 600x600x1200mm

Weight: 1000kg



1200 CAPPER

Size: 600x600x1200mm

Weight: 580kg



1200 BASE

Size: 600x600x1200mm

Weight: 800kg



600 STANDARD

Size: 600x600x600mm

Weight: 500kg



600 FLAT TOP

Size: 600x600x600mm

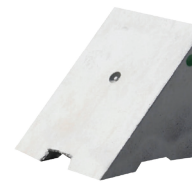
Weight: 500kg



600 CAPPER

Size: 600x600x600mm

Weight: 290kg



600 ANGLE

Size: 600x600x600mm

Weight: 250kg



1800 STANDARD

Size: 600x600x1800mm

Weight: 1500kg



1800 FLAT TOP

Size: 600x600x1800mm

Weight: 1500kg



1800 FLAT BOTTOM

Size: 600x600x1800mm

Weight: 1500kg

THE BLOCKS

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BUILD FLEXIBILITY

REINFORCING OPTIONS

Interbloc is a mass block gravity based system. However, the blocks can be reinforced using two methods to increase structural capacity.

VERTICAL REINFORCING

Interbloc casts reinforcing ducts through the centre of the blocks at 600mm centres. This allows vertical steel reinforcing to be installed post placement using the Reidbar system. This enhances the structural integrity of the wall without compromising the speed of construction.

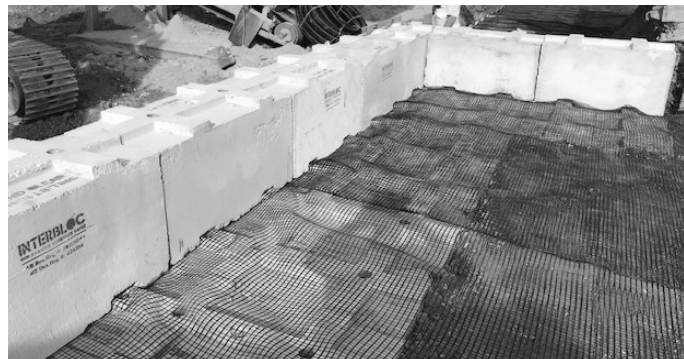
Before commencing block placement, a short 'starter bar' is epoxied into the foundation. The wall is then constructed. Longer lengths of 'main bar' are inserted through the reinforcing ducts from the top of the wall. The main bar connects to the starter bar using a coupler. The mainbar is then tensioned and tied off with a nut and washer.



MECHANICALLY STABILISED EARTH WALL

A MSE wall is a composite structure consisting of alternating layers of compacted backfill and soil reinforcement elements, fixed to a facing wall. The stability of the wall system is derived from the interaction between the backfill and soil reinforcements.

Interbloc achieves this by casting geosynthetic 'fabric' into the blocks during manufacturing. This process creates a super strong structure capable of carrying high surcharges without compromising speed and flexibility.



REINFORCING

INSTALLATION
PROCESS

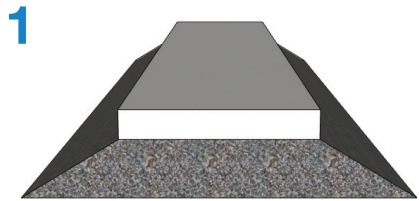
SUSTAINABILITY



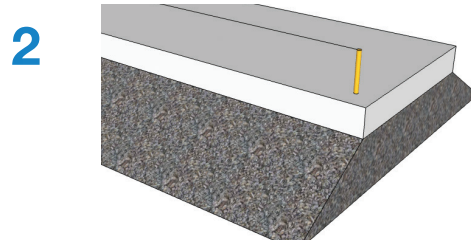
BUILD PRODUCTIVITY

INSTALLATION PROCESS

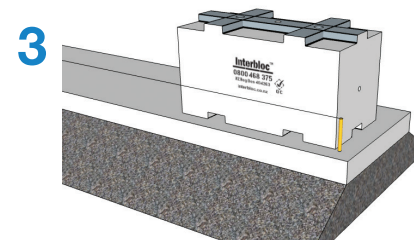
Interbloc's unique interlocking design means the blocks self-locate during the installation process, delivering unparalleled build speed and labour productivity.



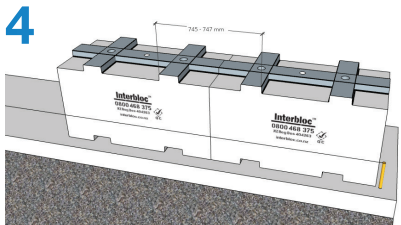
1 Start with a level foundation, preferably concrete.



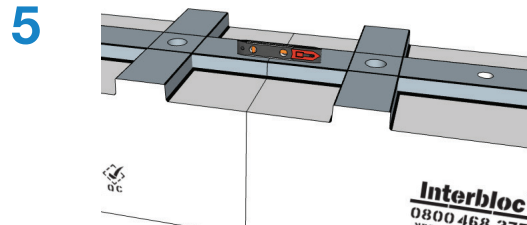
2 Run a string line to guide placement of the blocks.



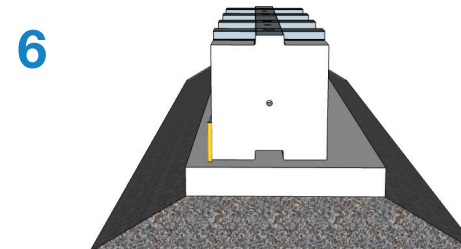
3 Beginning at one end, place your first block.



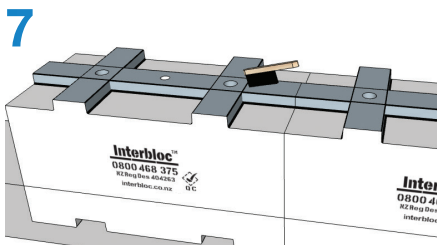
4 Place your second block. Ensure the measurement between interlocking shear key is 747mm.



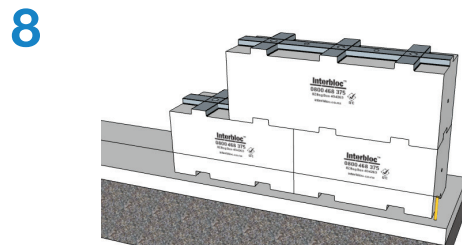
5 Ensure the blocks are level.



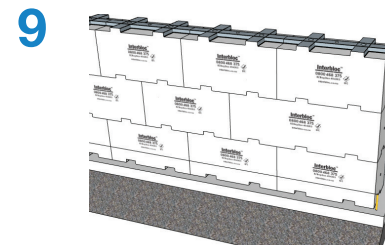
6 Ensure the blocks straight.



7 Brush any loose debris.



8 Place your next layer in a running bond pattern.



9 Complete your wall.

INSTALLATION
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SUSTAINABILITY



CARBONSMART®

CARBONSMART®

Product stewardship sits at the centre of the move towards the circular economy. The concept is about using resources and materials with ever-increasing efficiency. It leads to more productive outcomes, lower lifetime costs, and better environmental performance.

It's good for business, and at Envirocon we call this approach Practical Sustainability.

The Envirocon 'Product Stewardship Scheme is a partnership of the leading ready mix concrete suppliers with the aim of reducing waste to landfill. Envirocon captures high quality certified concrete surplus and manufactures innovative precast concrete products.

Not only is the concrete diverted from landfill, the resulting blocks can be reconfigured as needs change without destructive dismantling, reducing another potential waste stream.

This circular economy approach provides added value at each stage of the product life cycle.

ENVIROCON

In a world of limited resources, reducing waste and increasing productivity is essential to achieving sustainable growth. This is why Envirocon exists - to take 'waste' and reimagine it as a valuable building material.

Great design lies at the heart of our business. We think about the people who will use our blocks, and the places our blocks will be used. We think about how the needs of the structure may change over time, and what will happen at the end of its life.

Our designs are guided by the power of simplicity, because simple products are fast to learn and easy to use.

From this approach comes unique building systems - Interbloc and Stonebloc. At the core of the systems is a concrete block. The block designs look simple enough, but when you dive deeper they deliver a powerful combination of benefits.

OUR PRODUCTS DELIVER A UNIQUE COMBINATION OF BENEFITS:

They are fast to install, reducing wasted time and labour.

They deliver unparalleled durability, increasing the life of the structure.

They are one of the most cost effective building materials available.

Most importantly they can be dismantled and reused at the end of life, reducing resource and financial waste.

SUSTAINABILITY

ENVIROCON

CAPTURING CONCRETE EXCESS

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