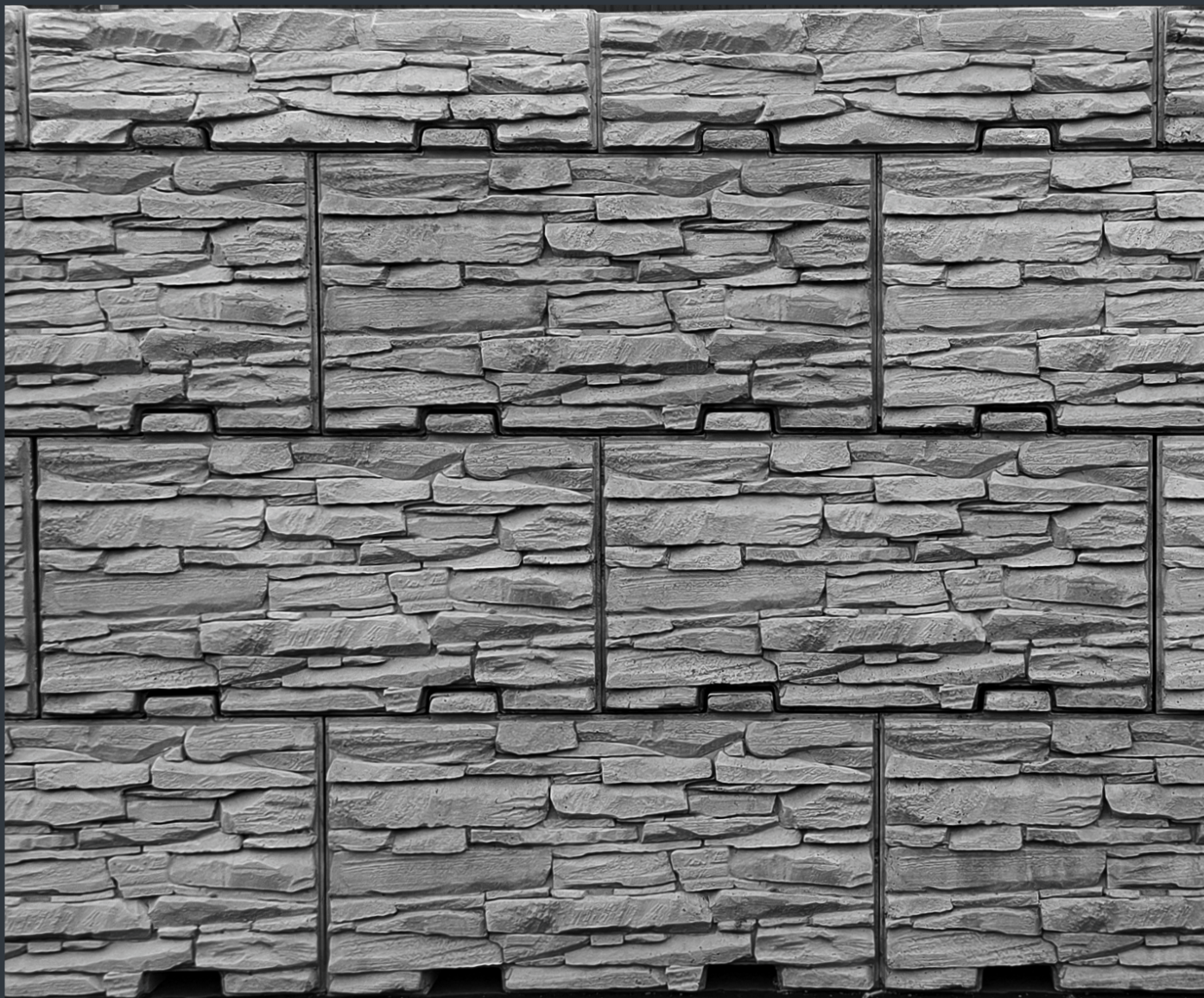




# INTERBLOC<sup>+</sup>

INTERBLOC+ IS A PREMIUM, LOCALLY MANUFACTURED WET CAST PRECAST CONCRETE RETAINING SYSTEM ENGINEERED FOR STRENGTH, SPEED, AND SUSTAINABILITY.

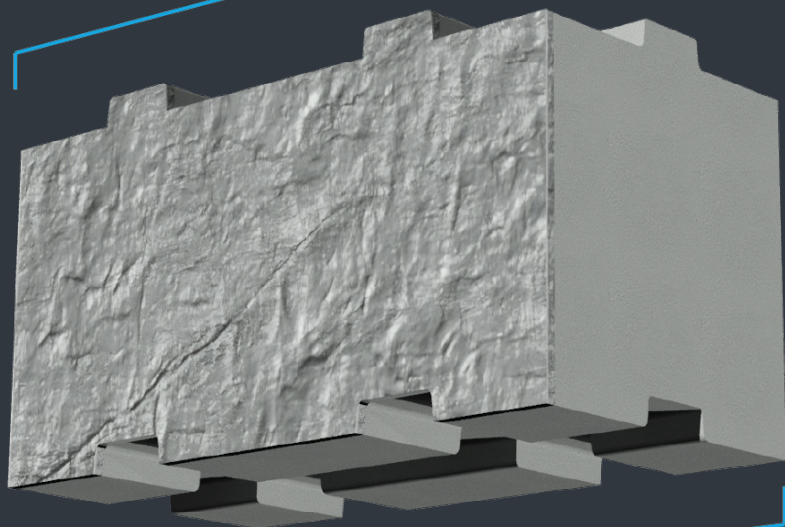




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# ABOUT INTERBLOC+

UNIQUE FASCIA DESIGN



ENVIROCON'S PATENTED  
INTERLOCKING SYSTEM

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## BRINGING ADAPTABILITY AND TIMELESS AESTHETICS TO EVERY PROJECT

Interbloc+ is a premium, locally manufactured wet cast precast concrete retaining system engineered for strength, speed, and sustainability. Designed with the asset owner, engineer, and contractor in mind, Interbloc+ delivers a robust, gravity-first retaining solution that is both cost-effective and visually refined.

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## HOW DOES INTERBLOC+ WORK?

The system uses precision-cast, interlocking concrete blocks with integrated connection features that ensure rapid, accurate assembly and exceptional stability. Interbloc+ provides flexible design options - from pure gravity walls to reinforced and mechanically stabilised configurations - allowing it to adapt to a wide range of site conditions and aesthetic requirements.

With its modular design, streamlined installation, and proven New Zealand engineering, Interbloc+ eliminates much of the manual labour and complexity associated with traditional retaining wall systems - offering a faster, safer, and more sustainable way to build.



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# WHY INTERBLOC+?

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## FLEXIBLE AND DURABLE SOLUTIONS

Interbloc+ offers quick installation, helping you save time and reduce labour costs. Designed for outstanding strength and resilience, they deliver long-lasting durability. With certified lifting capabilities and a fully engineered system, safety is a core priority.

Their timeless fascia makes them an excellent choice for public-facing projects, providing both structural integrity and visual appeal. Partnering with Interbloc+ means enhancing every project with efficiency, strength, and elegance.



### QUICK INSTALLATION

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



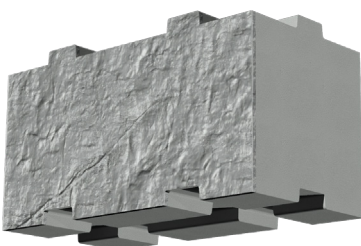
### ENVIROCALC

EnviroCalc delivers NZBC-compliant retaining wall designs, purpose-built for Interbloc and Stonebloc—not generic software.



### FLEXIBILITY

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 even the harshest environments.








### QUALITY

Fully engineered system and certified lifting. Specific engineering available.



# INTERBLOC+ EXPLAINED

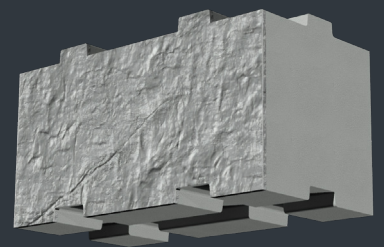
## INTERBLOC+ FEATURES

-  Fast, precise installation with self-aligning, Lego-style blocks.
-  Corner options available to create smooth contours and transitions in walls.
-  Fast, easy design using our cloud-based Envirocalc
-  Reinforcement options available to meet your structural requirements.
-  Envirobuild 3D design software for visualisation and accurate block quantification.

## INTERBLOC+'S TEXTURE SELECTION

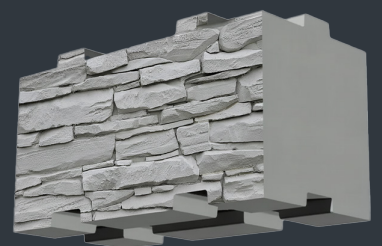
### 01 CROATIA TEXTURE

Sleek and modern, the Croatia texture offers a smooth finish with durability, safety, and efficiency built into every Interbloc+ block.



### 02 SCHIST TEXTURE

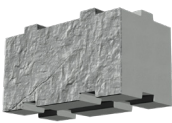
Rugged and natural, the Schist texture mirrors the look of layered stone. It delivers timeless character, strength, and quick installation within the engineered Interbloc+ system.



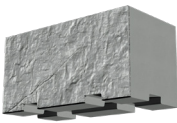
# BLOCK CATALOGUE

The Interbloc precast wall system includes 14 versatile block types offered in 1200mm, 1800mm, and 600mm lengths. All units share a consistent 600mm x 600mm profile, aside from the 300mm-high capper blocks.

## CROATIA



**1200 STANDARD**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 FLAT TOP**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 STANDARD L/R CORNER**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 FLAT TOP L/R CORNER**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**600 STANDARD**  
W: 600 x D: 600 x H: 600MM  
500KG



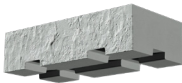
**600 FLAT TOP**  
W: 600 x D: 600 x H: 600MM  
500KG



**600 STANDARD L/R CORNER**  
W: 600 x D: 600 x H: 600MM  
500KG



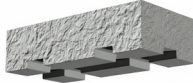
**600 FLAT TOP L/R CORNER**  
W: 600 x D: 600 x H: 600MM  
500KG



**1200 HALF FLAT TOP**  
W: 1200 x D: 600 x H: 600MM  
500KG



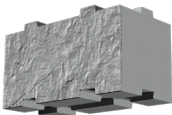
**600 HALF FLAT TOP**  
W: 1200 x D: 600 x H: 600MM  
250KG



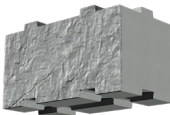
**1200 HALF FLAT TOP L/R CORNER**  
W: 1200 x D: 600 x H: 600MM  
500KG



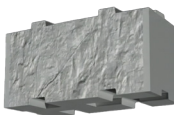
**600 HALF FLAT TOP L/R CORNER**  
W: 1200 x D: 600 x H: 600MM  
250KG



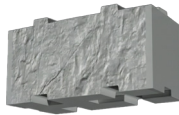
**1200 5° WEDGE CONCAVE RADIUS BLOCK**  
W: 1200 x D: 600 x H: 600MM  
1000KG



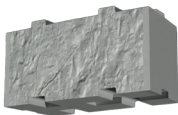
**1200 7.5° WEDGE CONCAVE RADIUS BLOCK**  
W: 1200 x D: 600 x H: 600MM  
1000KG



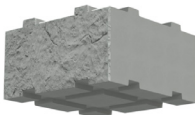
**1200 10° WEDGE CONCAVE RADIUS BLOCK**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 12.5° WEDGE CONCAVE RADIUS BLOCK**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 15° WEDGE CONCAVE RADIUS BLOCK**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 BASE BLOCK**  
W: 1200 x D: 600 x H: 600MM  
2000KG

To suit different design preferences, the system is offered in two distinct textures: Croatia and Schist. Each texture provides a unique visual finish while maintaining the same structural performance.

This combination of varied block sizes and texture options enables flexible, scalable wall construction. It ensures both functional strength and a clean, cohesive architectural look across any project.

SCHIST



**1200 STANDARD**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 FLAT TOP**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 STANDARD L/R CORNER**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 FLAT TOP L/R CORNER**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**600 STANDARD**  
W: 600 x D: 600 x H: 600MM  
500KG



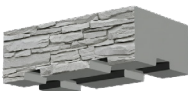
**600 FLAT TOP**  
W: 600 x D: 600 x H: 600MM  
500KG



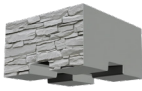
**600 STANDARD L/R CORNER**  
W: 600 x D: 600 x H: 600MM  
500KG



**600 FLAT TOP L/R CORNER**  
W: 600 x D: 600 x H: 600MM  
500KG



**1200 HALF FLAT TOP**  
W: 1200 x D: 600 x H: 600MM  
500KG



**600 HALF FLAT TOP**  
W: 1200 x D: 600 x H: 600MM  
250KG



**1200 HALF FLAT TOP L/R CORNER**  
W: 1200 x D: 600 x H: 600MM  
500KG



**600 HALF FLAT TOP L/R CORNER**  
W: 1200 x D: 600 x H: 600MM  
250KG



**1200 5° WEDGE CONCAVE RADIUS BLOCK**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 7.5° WEDGE CONCAVE RADIUS BLOCK**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 10° WEDGE CONCAVE RADIUS BLOCK**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 12.5° WEDGE CONCAVE RADIUS BLOCK**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 15° WEDGE CONCAVE RADIUS BLOCK**  
W: 1200 x D: 600 x H: 600MM  
1000KG



**1200 BASE BLOCK**  
W: 1200 x D: 600 x H: 600MM  
2000KG



# ABOUT ENVIROCALC

## DESIGN AND BUILD CUSTOM, DURABLE, AND EASILY INSTALLED STORAGE SOLUTIONS

Easy and compliant Interbloc and Stonebloc design is now a reality with Envirocalc - our purpose-built engineering design software that delivers NZBC-compliant designs and consent-ready reports with efficiency and accuracy.



### QUICK CALCULATIONS

Get precise calculations for each layer of the wall.



### DESIGNS SIMPLIFIED

Our software supports all types of gravity wall designs, delivering precision, efficiency, and compliance at every step.



### EXPERTLY ENGINEERED

Developed by engineers to support all gravity wall designs with precision and ease.



### PEER REVIEWED

Our calculation process is peerreviewed by chartered engineers, ensuring accuracy and reliability.



### ONE TOOL, MANY USES

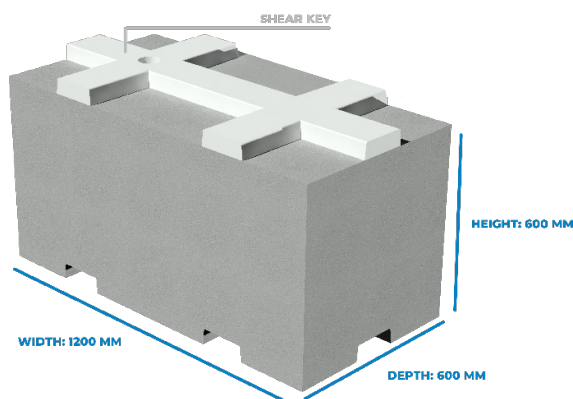
Use EnviroBuild to create designs and EnviroCalc to automatically calculate everything based on your inputs.



### SAVE TIME

Eliminate the need for manual drawings, reports, and external software.

# REINFORCING OPTIONS



## A STANDARD INTERBLOC IS THE CORE CONCRETE BLOCK FOR THE SYSTEM

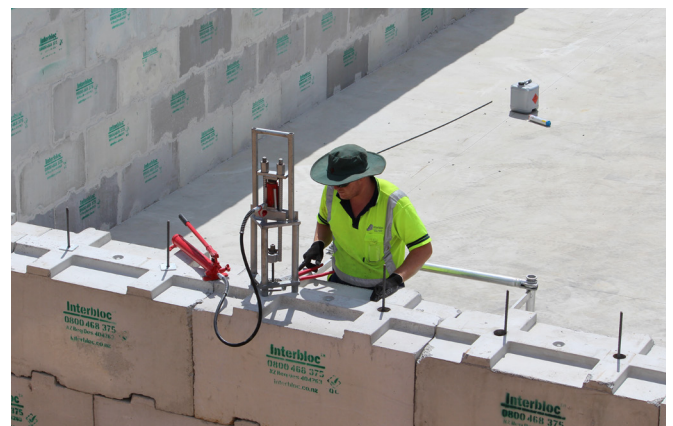
Each premium concrete block includes vertical reinforcement ducts, a shear key, and a lifting pin, all meticulously designed to enhance structural strength and integrity.

The shear key transfers shear forces from lateral loads between the structure and the key but does not resist overturning forces, which are managed by the weight of the concrete block. This integrated design ensures long-term stability and durability, even under demanding load conditions. Together, these features make installation efficient, safe, and suitable for a wide range of structural applications.

01

## VERTICAL REINFORCING

Interbloc blocks feature reinforcing ducts at 600mm centres, allowing quick post-placement installation of vertical steel reinforcement using the Reidbar system. Starter bars are epoxied into the foundation, and main bars are inserted through the ducts, coupled to the starters, then tensioned and secured with a nut and washer - boosting wall strength without slowing construction.



02

## MECHANICALLY STABILISED EARTH WALL

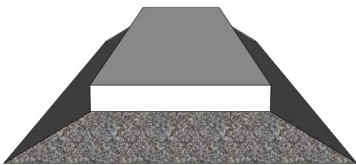
An MSE wall combines compacted backfill and soil reinforcement layers connected to a facing wall, with stability coming from their interaction. Interbloc achieves this by casting geosynthetic fabric into the blocks during manufacturing, creating a strong, flexible structure that handles high surcharges efficiently without slowing down construction.

# INSTALLATION PROCESS

## FASTER, SMARTER INSTALLATION WITH INTERBLOC+'S SELF-LOCATING DESIGN

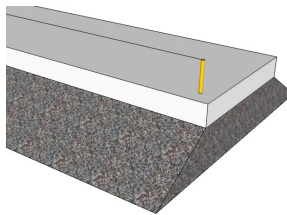
Interbloc+'s unique interlocking design means the blocks self-locate during installation, delivering unparalleled build speed and labour productivity.

01



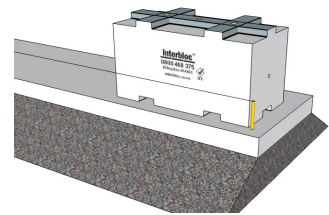
Start with a level foundation, preferably concrete.

02



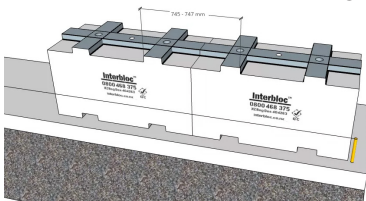
Run a string line to guide placement of the blocks.

03



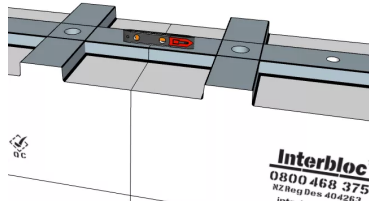
Beginning at one end, place your first block.

04



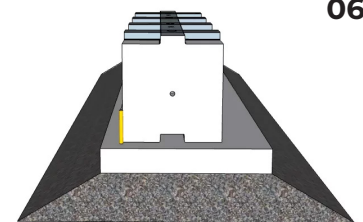
Place the second block with 747 mm between shear keys.

05



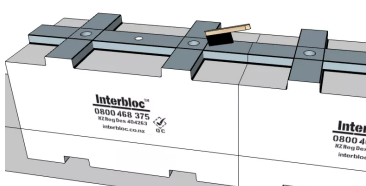
Ensure the blocks are level, flush, and correctly spaced.

06



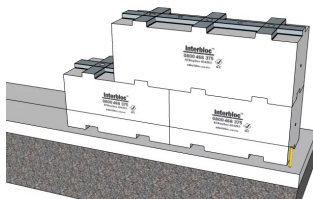
Ensure the interlocking crosses are lined up.

07



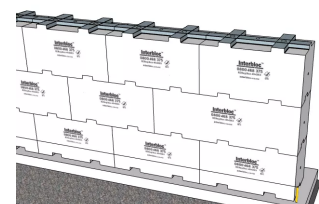
Before adding the next layer, clean the top of the previous.

08



Before adding the next layer, clean the top of the previous.

09



Use shims to keep layers level for a proper wall finish.



# INTERBLOC+ SUSTAINABILITY

**INTERBLOC IS THE MOST SUSTAINABLE CONSTRUCTION  
SYSTEM AVAILABLE ON THE MARKET**



## **LOW EMBODIED CARBON**

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



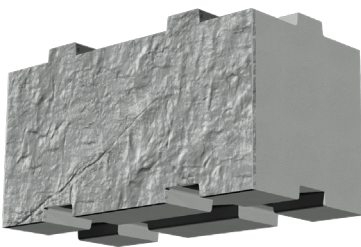
## **INDEPENDENTLY CERTIFIED**

Backed by an independently produced and registered Environmental Product Declaration demonstrating an ultra low carbon profile.



## **ZERO WASTE CERTIFICATES**

Envirocon offers a zero-waste solution for excess concrete, helping you cut costs and meet sustainability targets.



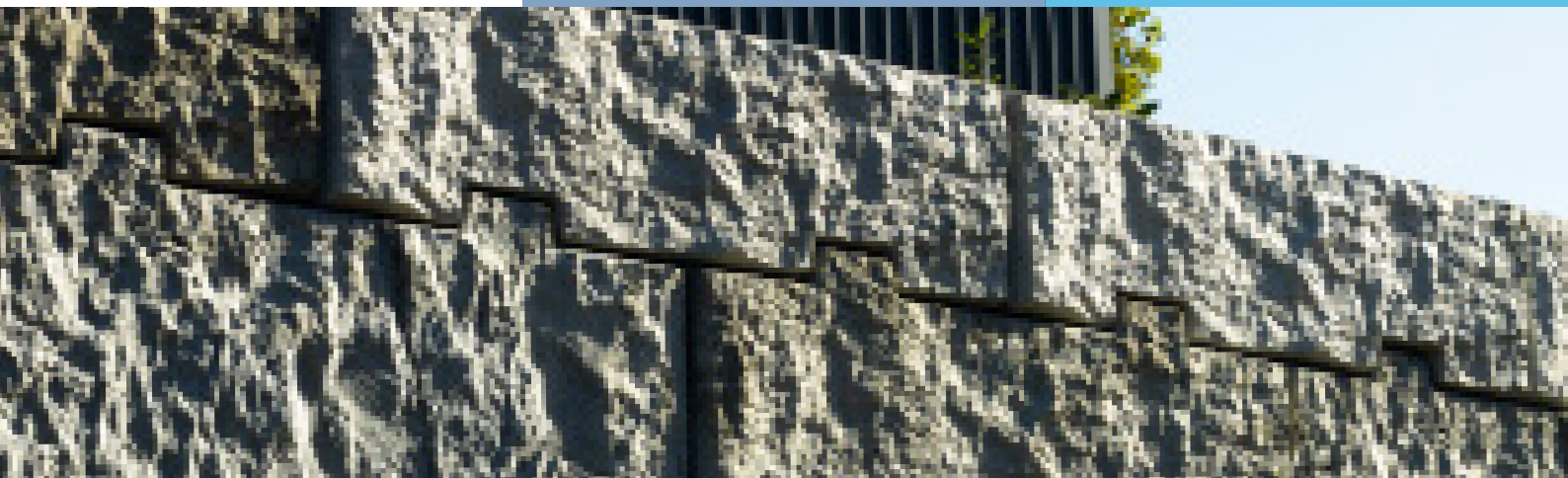
## **ZERO WASTE**

Interbloc is designed to be non-destructively dismantled at end of life and reused.



## **BUYBACK GUARANTEE**

Envirocon will purchase Interbloc+ back when you no longer require them.





+64 0800 468 375  
[www.envirocon.co.nz](http://www.envirocon.co.nz)

At Envirocon, we lead the way in sustainable construction with our innovative precast concrete block system, designed to support the circular economy by transforming surplus concrete into durable, reusable building solutions.

As the country's first accredited construction product stewardship scheme, we create ultra-low embodied carbon products that can be reused, recycled, or repurposed at the end of their life, and our buyback guarantee keeps concrete in circulation and out of landfills.