

adbriMASONRY



 **VERSALOC** Walling System

Very Quick. Very Easy

VERSALOC Walling System

The Versaloc® Walling System is a new Dry Stack walling system from Adbri Masonry which creates significant productivity gains, by allowing units to be stacked together without the use of mortar.

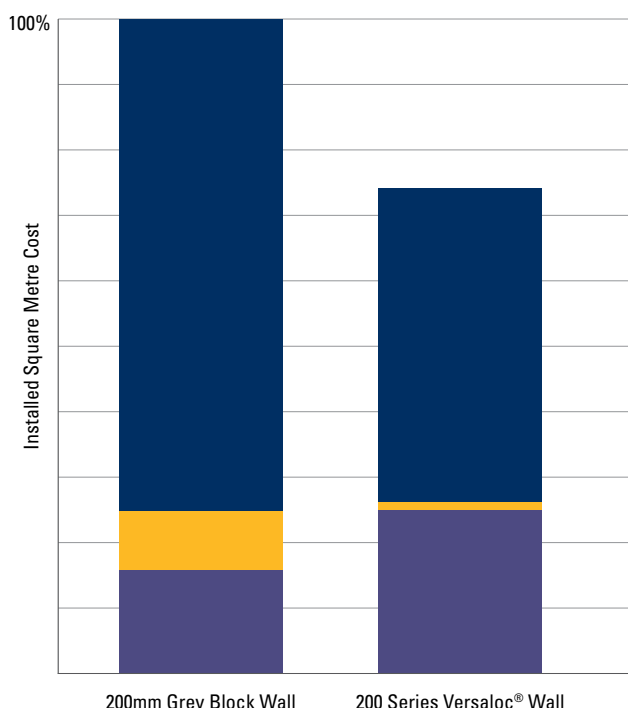


This innovative patent pending system is the output of years of research and design work to create a revolutionary Dry Stack walling system. The Versaloc® system has many advantages over traditional block work, other Dry Stack products, tilt panels and other walling systems.

The biggest advantage of the Versaloc® system is the productivity gains that are delivered to builders and installers. Genuine time savings translate into bottom line cost savings and more profit for your business. These time savings mean you can finish projects sooner or take on extra work with your existing labour force.

Increase productivity and profit by utilising the Versaloc® Walling System in your next project.

INSTALLED SQUARE METRE COSTS OF A 200MM GREY BLOCK WALL AND A 200 SERIES VERSALOC® WALL.



The Versaloc® Walling System can deliver savings of up to 45% compared to traditional masonry blockwork.

Key

- Blocks / Versaloc® Units
- Mortar and Cleaning
- Labour

This data is for comparative purposes only and should not be used for project estimating. You should seek independent pricing for all product analysis.

Note - Savings dependent upon project type.



▲
“This site was intricate with a number of returns. Even with 45° corners and cut $\frac{3}{4}$ units specified in the design, one of my guys was able to install 350 units a day on scaffolding”
Greg Templeton, Templeton Bricklaying, October 11, 2011.



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ADVANTAGES OF VERSALOC® WALLING SYSTEM

- ✓ Dry Stack system
- ✓ Eliminates the need for termite control products
- ✓ Rapid construction
- ✓ Stocked item - ready to build with
- ✓ 3 hour fire rating*
- ✓ Build to 1.8m high before core filling
- ✓ No formwork needed on first course
- ✓ Versaloc® units are fully recyclable
- ✓ Construct during inclement conditions
- ✓ Maximum flow for improved core fill
- ✓ Unique interlocking design
- ✓ Increased unit to unit interlock
- ✓ Significantly reduces mess on site
- ✓ No need to hose out cores
- ✓ Detailed bevel provides shadow lines

* 3 hour fire rating for Versaloc® 200mm series.

FEATURES



Interlocking tongue and groove joints



Self locating top lugs



Clean wall with shadow lines

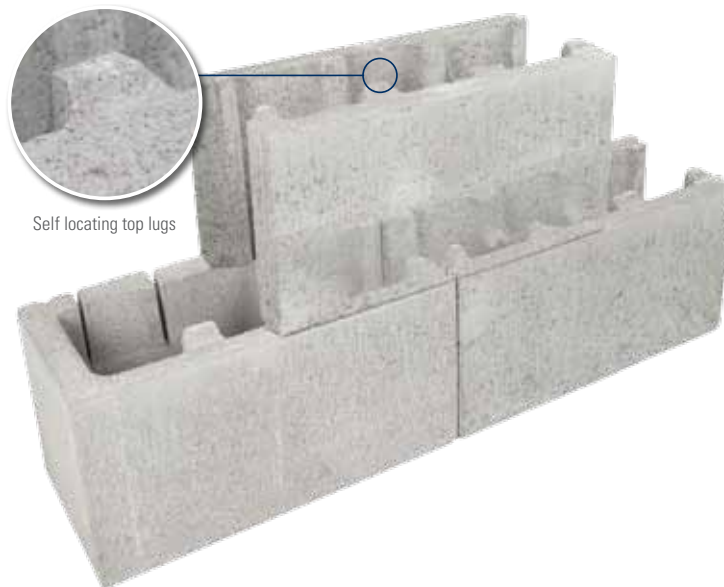
'A versatile dry stack walling system that makes construction quick and easy'

The Versaloc® Walling System was developed in consultation with masonry construction stakeholders with an aim of reducing labour time required for concrete masonry walling.

The Versaloc® Walling System is designed in accordance with the Concrete Structures Code AS3600 and is suitable for all forms of unit work in commercial, industrial and residential construction.

HOW THE SYSTEM WORKS

Versaloc® walling units feature eight self locating lugs on the top of each unit. When the units are stacked on top of each other, the four lugs on each side of the unit will interlock with the bottom of each of the units above. These lugs remove the need for mortar which reduces materials required on site and delivers significant time savings for installers. There is also a tongue and groove joint on the end of each unit which improves unit to unit interlock and provides a number of benefits such as greater wall stability during the laying, reinforcing and core filling stages of construction.



Quality is not compromised for productivity gains in any way. The units achieve a 20MPa rating and when reinforced and core filled with 20MPa concrete, completed 190mm walls achieve a Wall Grouted Compressive Strength (f'_{mg}) of 11MPa. This complies with the requirement of the BCA as well as the ratings achieved by competitive products.

REQUIREMENTS WHEN USING VERSALOC® WALLING SYSTEM

Requirements	Versaloc® Walling System	Traditional Mortared Unitwork
Mortar	Bottom course only	Required for all courses
Labour (units laid per day)*	400	200
Steel reinforcement	Yes	Yes
Corefill and pump	Yes	Yes
Formwork for cleanout	No	Yes
Bracing	Yes	Yes

* This is an estimate only. Requirements will vary depending upon application.



VERSALOC Walling System

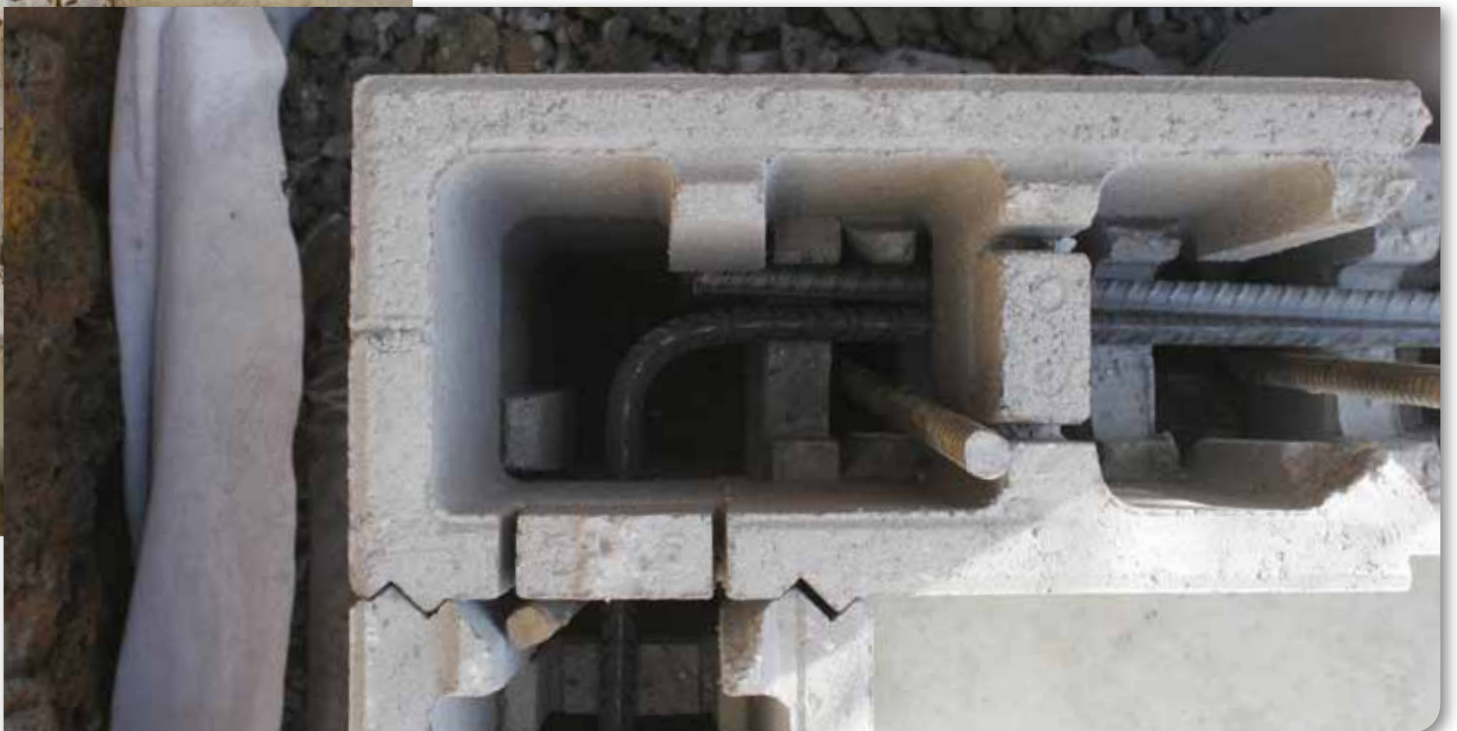


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“We started the project using standard blocks and our guys were laying between 250 and 300 blocks per day. When we switched to Versaloc®, our gang of 3 were laying over 2000 units per day. The system is clean, quick and easy.” - *Peter Zeolla, Director, Pro Wall 08/09/2011*



Steel framing created service channels for this internal wall before it was finished with plasterboard.

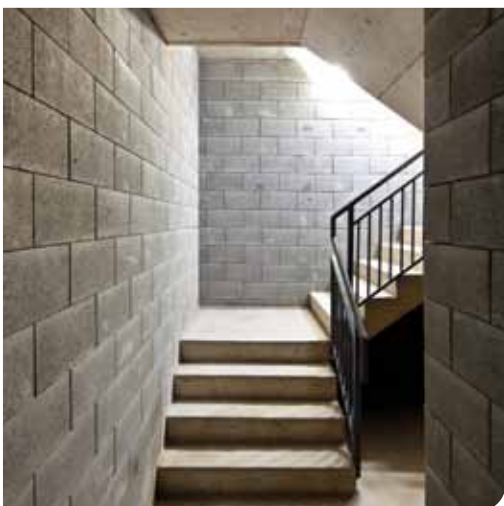
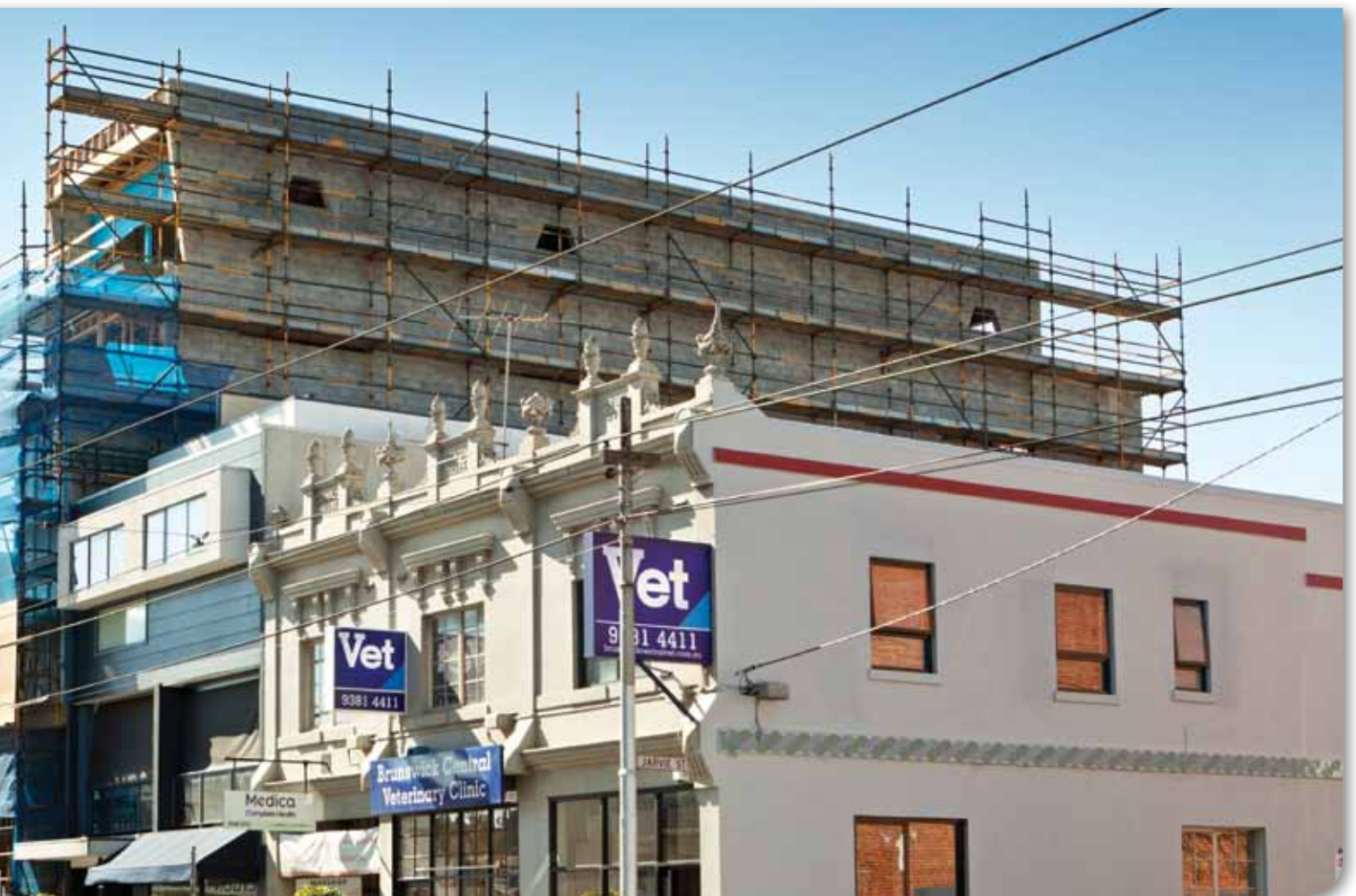
Unique self locating lugs, tongue and groove joints and speciality corner units make corner construction quicker and easier than ever before.



VERSALOC Walling System



▲
"With no mortar needed after the first course, very little bricklaying sand was required. As a result there was no need for mixers and we were able to utilise the entire area of this small site by filling it with product which reduced our reliance on deliveries and allowed the team to work quicker." - Paul Gray, Graybuilt. 27/10/2011



▲ This residential development in Melbourne's upmarket suburb of Carlton posed a number of challenges due to the property's location at the northern end of busy Lygon Street. The apartment block was originally specified to use precast walls but with no access from neighbouring sites and tram lines meaning costly traffic management would be required to get a crane on site, it became evident that an alternative system was required. The Versaloc® Walling System was substituted into the project with no hassles and no lead times.

VERSALOC Walling System



APPLICATIONS

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

- ✓ Soil retaining walls
- ✓ Basement walls and exterior walls*
- ✓ Swimming pool walls*
- ✓ Constructions where a cyclone rating is required*
- ✓ High strength load bearing walls
- ✓ Multi story commercial and residential construction
- ✓ Common dividing walls and boundary walls*
- ✓ Underwater stormwater detention tanks

*Note: External Versaloc® walls need to be weatherproofed. See below for further details about finishing Versaloc® walls.

FINISHING OPTIONS

All external Versaloc® walls need to be weatherproofed. This requirement can be achieved by using one of the following wall finish options.

Paint

Versaloc® walls are weatherproofed by applying 3 coats of acrylic paint to the walls surface. With an endless selection of paint colours available, painting is a simple option for applying an aesthetic finish to Versaloc® walls.

Render and Paint

Rendering and painting will also ensure Versaloc® walls are weatherproofed. Painting provides an unlimited array of colour options for finished walls.

Clear Sealing

Face walls can be weatherproofed by applying a clear sealer such as Bostik Aquashield SB40 to Versaloc® walls. This cost effective option means the natural shadow lines created by the bevels on each unit are maintained for a premium wall finish. Walls can also be waterproofed by the use of an appropriate additive to the core fill grout. Consult Adbri Masonry for further information.

Note: For Versaloc® Walling Systems used as a retaining wall, walls should be "tanked" using various proprietary tanking methods.

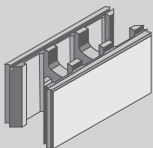
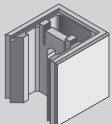
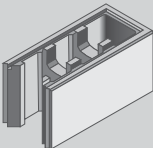
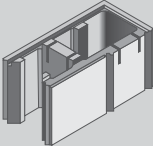
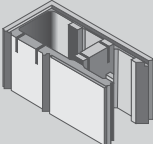
Concrete masonry products will have colour variations due to natural variations in the raw materials used in the production process. These changes are natural and therefore not considered defects. Adbri Masonry accepts no responsibility for natural colour variations in concrete masonry products.

COMPONENTS IN THE VERSALOC® WALLING SYSTEM

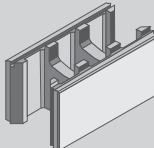
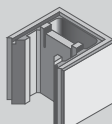
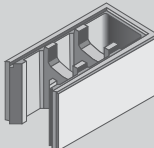
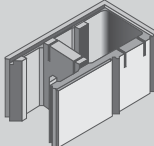
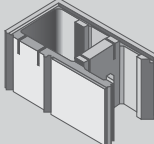
The Versaloc® Walling System features a number of specifically designed units to reduce the need for cutting on site making wall construction even quicker.

New to the range is the Pier Unit which utilises the innovative Versaloc® design to allow for the easy construction of engaged piers.

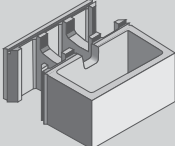
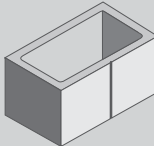
150 Series

Standard Unit 400mm x 200mm x 150mm	
Half Unit 200mm x 200mm x 150mm	
End Unit 400mm x 200mm x 150mm	
Righthand Corner Unit 390mm x 200mm x 150mm	
Lefthand Corner Unit 390mm x 200mm x 150mm	

200 Series

Standard Unit 400mm x 200mm x 190mm	
Half Unit 200mm x 200mm x 190mm	
End Unit 400mm x 200mm x 190mm	
Righthand Corner Unit 390mm x 200mm x 190mm	
Lefthand Corner Unit 390mm x 200mm x 190mm	

Pier Units

Full Pier Unit 400mm x 200mm x 400mm	
Half Pier Unit 200mm x 400mm x 200mm	

Product	FRL Rating	Unit characteristic unconfined compressive strength	Grouted masonry characteristic unconfined compressive strength	Average weight (standard unit)	Average no. sq/m (standard unit)	Average no. tonne (standard unit)
Versaloc® 200 series	180/240/240	20MPa	11MPa	15.6kg	12.5	62.5
Versaloc® 150 series	90/120/120	20MPa	8.5MPa	14.5kg	12.5	69



Versaloc® Walling System products are tested in our N.A.T.A. Accredited Testing Laboratory.

Other Adbri Masonry brochures you may be interested in



Versaloc® Technical Brochure



Energy Efficiency Brochure



Fire and Sound Brochure

Contact Us



www.adbrimasonry.com.au



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enquiries@adbri.com.au

We will not accept any returns or claims more than 7 days after delivery or after products have been installed. We will not accept returns unless transport arrangements have been agreed and the products are in 'as received' condition and accessible for collection. We will only accept returns as follows:

- Paving and Retaining Walls - returns accepted only in full pallets stacked in original configuration.
- No returns accepted for any made to order product.

Free pallet collection service freecall 1800 674 961 or drop pallets back to place of purchase or lodge your pallet pick up online at www.adbrimasonry.com.au

Pallets remain Adbri Masonry property. Please telephone us for collection of pallets and keep pallets empty and stacked in a safe and accessible area for collection.

Adbri Masonry Pty Ltd
ABN: 31 009 687 521

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The Versaloc® System is the subject of pending patent applications in Australia and Australian Registered Design No. 321410.

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