

# ONE WALL TO RULE THEM ALL



Fire, noise and weather protection with clip-together simplicity

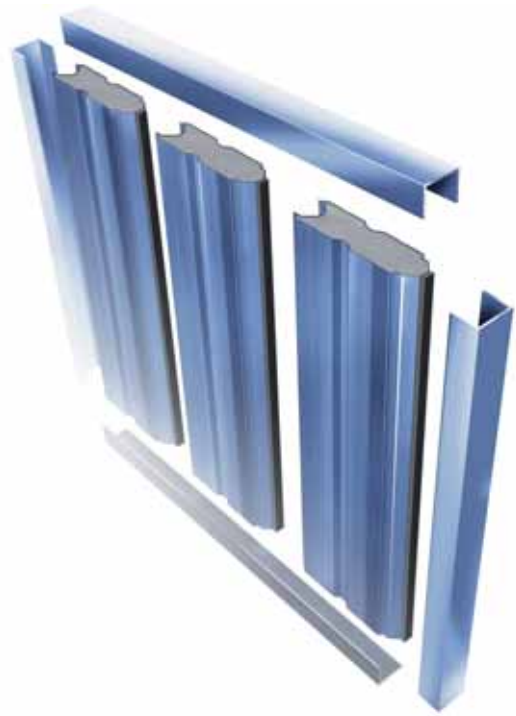
**SPEEDWALL**   
NEW ZEALAND LIMITED

**NEW**

## Speedwall® EX1 External Wall System

### The all-in-one wall solution for fire, noise and weather

- ◆ Roll formed steel with colour steel pre-painted finish
- ◆ Lightweight with aerated concrete core
- ◆ Fire ratings up to -/240/240
- ◆ Noise ratings up to STC80
- ◆ Panels interlock with clip-together simplicity
- ◆ Rapid installation, reduced build time



Widely specified for internal walls because of their superior noise and fire ratings, Speedwall® panels can now be used for external walls.

The new Exterior System (Speedwall® EX1) has been developed and tested specifically for New Zealand conditions, and can be used in most exterior situations, including very high wind zones, without the need for additional exterior cladding.

#### Reduced build time

Made of aerated concrete encased in a roll-formed, steel sleeve, Speedwall® interlocking panels are strong, lightweight, and can be easily assembled by a small crew with a scissor lift.

This makes Speedwall® much faster to install than conventional wall systems resulting in significant reductions in build time.

Furthermore, the unique, interlocking panel design ensures on-site performance ratings are predictable and reliable.

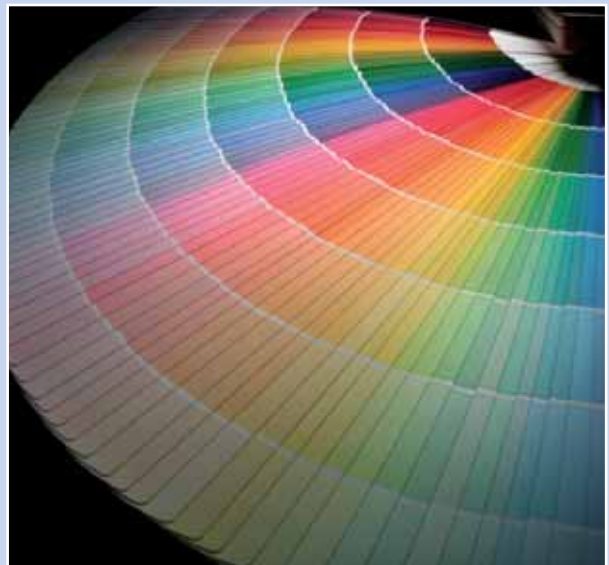
#### Custom made to order

Speedwall® panels are custom manufactured to order in lengths up to 9.3 metres ready for immediate assembly. This system of manufacture minimises the need for cutting panels to size on site and reduces waste.

For external use, Speedwall® panels are pre-painted in a semi gloss, baked enamel finish and can be supplied in a wide range of standard colours, or customised colours if required.

#### High performance internal walls

The information in this brochure covers key aspects of the Speedwall® EX1 system for exterior walls. For information on Speedwall internal wall systems, and detailed installation instructions, please refer to the Speedwall Technical Information Manual (CBI522, June 2008) or the website [www.speedwall.co.nz](http://www.speedwall.co.nz)



Speedwall® panels for external use are pre-painted and can be supplied in a wide range of standard colours, or customised colours if required.



Speedwall system EX1 is an all-in-one monolithic wall solution for fire, noise and weather protection in external applications with no doors, windows or other penetrations.

The system comprises of 78mm pre-painted Speedwall® panels, with no linings attached. Standard Speedwall C Track is used around the perimeter of the wall, and Speedwall® L Section angle at the bottom of the wall as shown in diagram below.

The standard system has a 120-minute fire rating and a noise rating of STC 40. However, fire ratings up to 240 minutes and noise ratings up to STC80 can be achieved with specific design.

For high performance systems, refer to the Speedwall® Technical Information Manual (CBI522, June 2008) or the website [www.speedwall.co.nz](http://www.speedwall.co.nz)

Speedwall® panels for external use are pre-painted and can be supplied in a wide range of colours.

Specification Number	EX1
Loadbearing Capability	NLB
Fire Resistance Rating	- / 240 / 120
Lining Requirements	Nil
Sound Transmission Class	40
System Weight Approx	41kg/m <sup>2</sup>

Install panels vertically (see pages 19 & 24, Speedwall® Technical Manual CBI 522). Plan ahead to ensure you finish with a full panel. If a panel must be cut, make sure it is the first one you install.

Panels are pre-painted in a semi gloss, baked enamel finish and can be supplied in a wide range of standard colours, or customised colours if required.

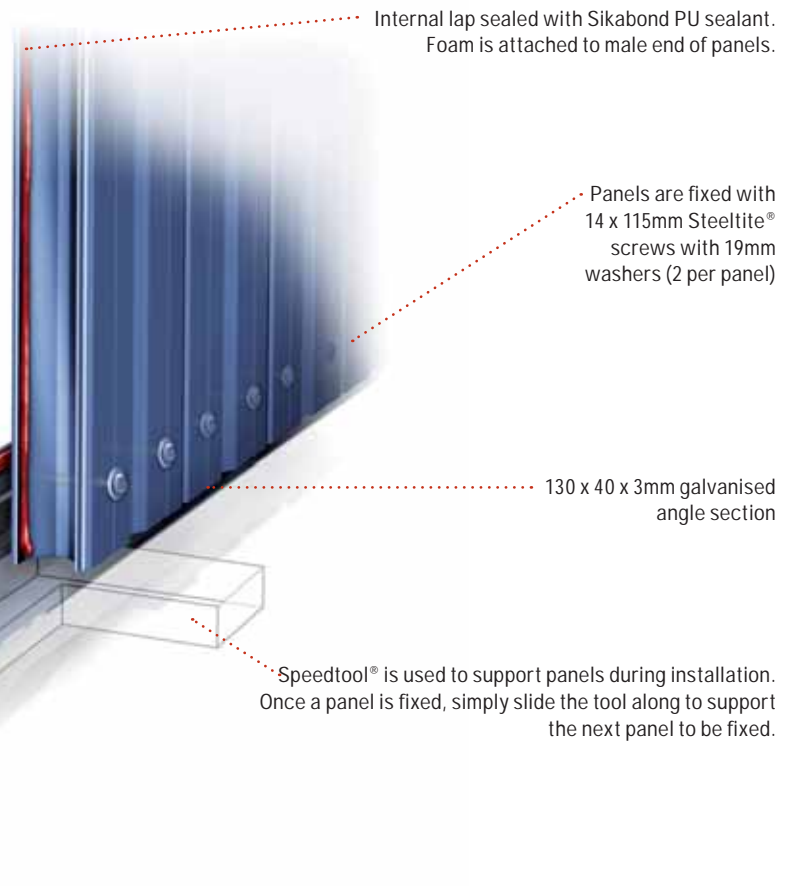
25 x 25mm Speedwall® Spacefoam

L-section angle is fixed with 6.5mm x 75mm csk Bluetip screw bolts fixings at 400 centres

Angle section

Concrete footing

Set down to ground level in accordance with local territorial authority



Internal lap sealed with Sikabond PU sealant. Foam is attached to male end of panels.

Panels are fixed with 14 x 115mm Steeltite® screws with 19mm washers (2 per panel)

130 x 40 x 3mm galvanised angle section

Speedtool® is used to support panels during installation. Once a panel is fixed, simply slide the tool along to support the next panel to be fixed.

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