



SOLID PANEL FENCING

BelAire®
DESIGNER FENCING

...make it your own!



SOLID ACOUSTIC PANEL FENCING

In today's world, noise reduction is one of the leading concerns across New Zealand home owners. The BelAire range of acoustic fences and noise barriers have been specifically engineered to meet the acoustic demands of our modern world.

We handle a variety of noise reduction concerns; from general neighbourhood noise, to road noise, to high-performance noise absorption enclosures for pool pumps and HVAC units. On average, our acoustic fences and road noise barriers typically achieve a 20-30dB reduction (depending on noise source and noise type), which equates to a quartering of loudness.

Understanding 'loudness', or the human perception of sound, can be tricky; but you can test just how much difference this makes with the simple help of a video and its volume controls. First, watch the video at 100% volume. Then, reduce the volume to 25%; this is the potential noise reduction that our acoustic fences offer.

Put the controls back into your hands; turn down the volume of loud neighbours and traffic noise today.

ACOUSTIC FENCING

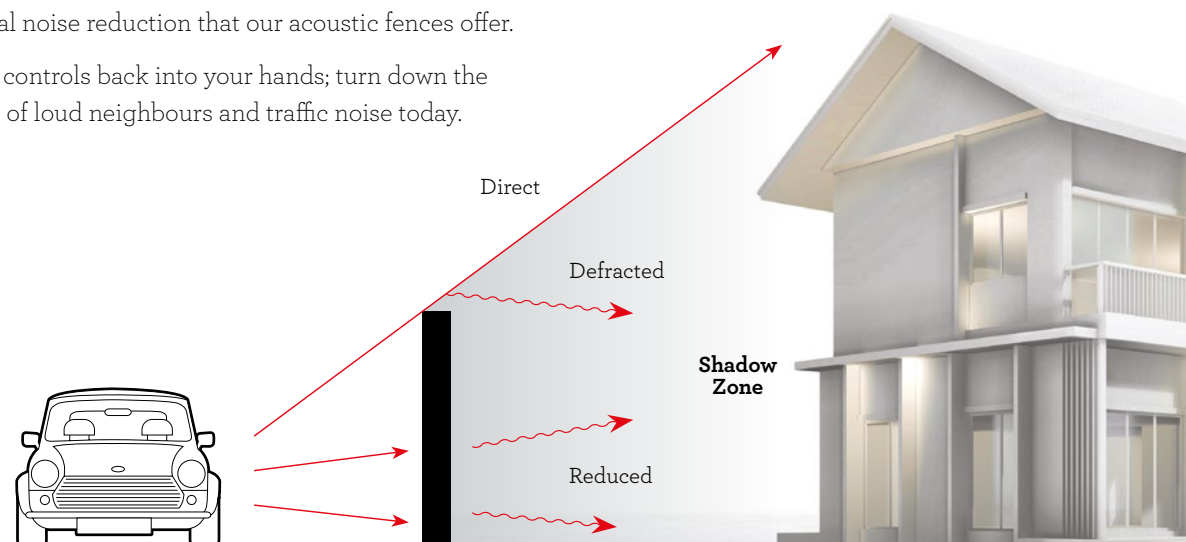
BelAire solid wall systems are acoustically tested and rated, keeping all unwanted surrounding noises at bay and providing peace and quiet for your home.

ECO FRIENDLY

Our innovative products are made of recyclable materials, with our manufacturing processes reducing emitted and embodied CO2 by up to 80%.

NZ MADE

All BelAire Walls products are NZ designed and manufactured to strict international quality standards.





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MODULAR SYSTEM

BelAire solid panel fencing is the most advanced modular fencing system available in New Zealand today.

DESIGNED BY YOU

With the Classic, Signature and Estate styles to choose from, you can design your fence to suit your lifestyle.

Our fences and posts are all fully paintable so that you can complement or match the colour of your property.

You can also add stylish slat, louvre, tubular or glass infills, plus there is a choice of flush or exposed capping for posts and panels – the options for your fence are only limited by your imagination.

COST-EFFECTIVE

BelAire solid panel fencing has all the properties of a block wall at a fraction of the cost and mess! Once coated, BelAire fencing will look just as good as a block wall.

BUILT TO LAST

Our pre-primed, galvanized, high-tensile support posts are very light yet structurally very strong. Our EPS/fibre cement panels are designed to withstand the typical demands placed on a fence in any environment.

EASY (DIY) INSTALLATION

Our fences are designed to be assembled with ease. There is no need for heavy construction and digging equipment, or cranes – BelAire panels can be easily handled by two people. They are easy to install in difficult-to-access areas such as back yards or annexed ground.

We provide step by step self-install instructions that any competent DIY person should be able to follow, but if you'd rather get someone else to install it, we have a list of preferred installers throughout NZ. Call us on 0800 235 2473 and we will put you in touch with an installer in your area.

WARRANTY

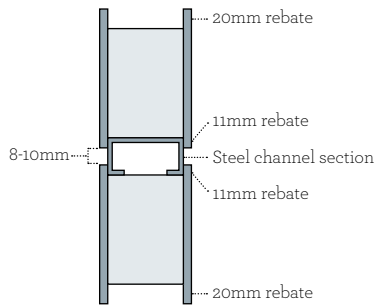
New Zealand-made and 10 year warranty information. Be assured that with very little maintenance your fence will give you great privacy and security for many years to come. Only the finest raw materials have been used in the construction of your fence. The suppliers of these raw materials state that they have a design life well in excess of 20 years. With this assurance we offer you a replacement warranty for any component of your new fencing if it fails within 10 years* from date of purchase.



*2yr Warranty within a 1500m sea spray zone.

EXPOSED JOIN OR CLOSED JOIN ?

An exposed join is recommended – it is more forgiving if you haven't quite got the panels 100% level, and also gives a much more attractive result.

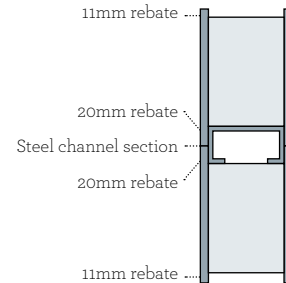


<< How to achieve a exposed join

Insert the steel channel section into the 11mm rebate in the panels

How to achieve a Closed join >>

Insert the steel channel section into the 20mm rebate in the panels



NOISE BARRIER

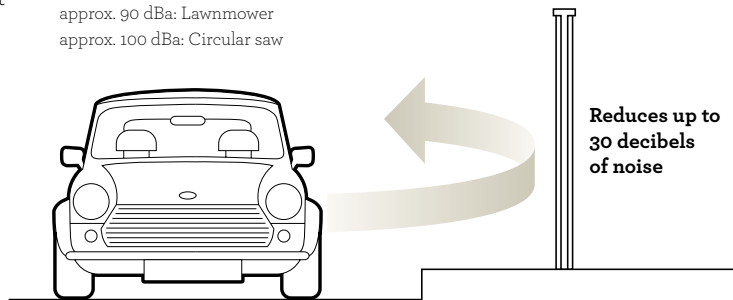
Our patented solid Poly-fibre cement composite sandwich panels are designed to reflect noise. The acoustic performance of this product was evaluated by the Acoustics Research Group at the University of Canterbury and a comprehensive report is available on request.

TYPICAL TRAFFIC NOISE – 12m from road edge

approx. 60 dBA: 2-lane urban road, 6,000 vehicles per day @ 50kph
approx. 68 dBA: 4-lane motorway, 25,000 vehicles per day @ 100kph

TYPICAL OTHER NOISE

approx. 90 dBA: Lawnmower
approx. 100 dBA: Circular saw



THE ALL-TERRAIN FENCE

BelAire solid panels can be easily cut using a circular saw with a timber blade. This will allow you to easily and neatly follow the terrain of your property.



CLASSIC

Post dimensions: 120mm (deep) x 180mm (face) 0.95 mm BMT

Panel thickness: 50mm

Density of composite panel materials: 15.49kg/m²

Suitable for fence heights: 900mm – 2400mm

Post centres: 2530mm, 2830mm

The classic fence is the most cost effective of the styles and most commonly used in residential boundary/screening fence applications. Suitable for less challenging terrain, this style of fence will provide great sound reduction qualities. Also suited to lower fence designs – 1200mm and 1500mm high.



SIGNATURE

Post dimensions: 140mm (deep) x 280mm (face) 0.95 mm BMT

Panel thickness: 70mm

Density of composite panel materials: 15.49kg/m²

Suitable for fence heights: 900mm – 3000mm

Post centres: 2630mm, 2930mm

The Signature fence, our most popular line, is most commonly used where a true masonry wall look is desired, or in a commercial and residential security/sound fence application. The fence has superb sound reduction qualities (National Acoustic Laboratory tested).



ESTATE

Post dimensions: 210mm (deep) x 320mm (face) 0.95 mm BMT

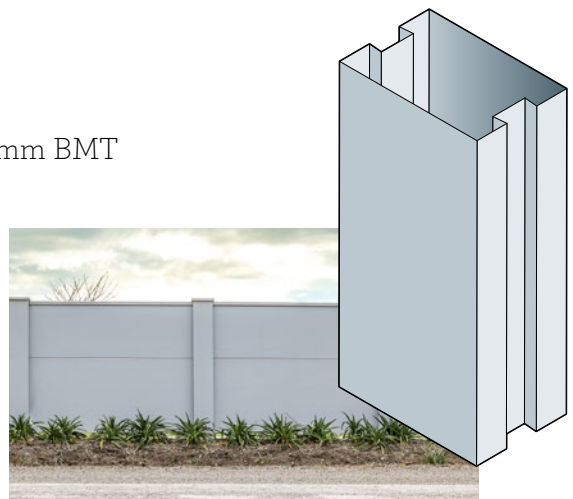
Panel thickness: 70mm

Density of composite panel materials: 15.49kg/m²

Suitable for fence heights: 900mm – 3000mm

Post centres: 2670mm, 2970mm

The Estate fence is most commonly used where a 'Grand' masonry wall look is desired. The post face is equivalent to a brick and a half in width, and the fence has superb sound reduction qualities (National Acoustic Laboratory tested).



CLASSIC

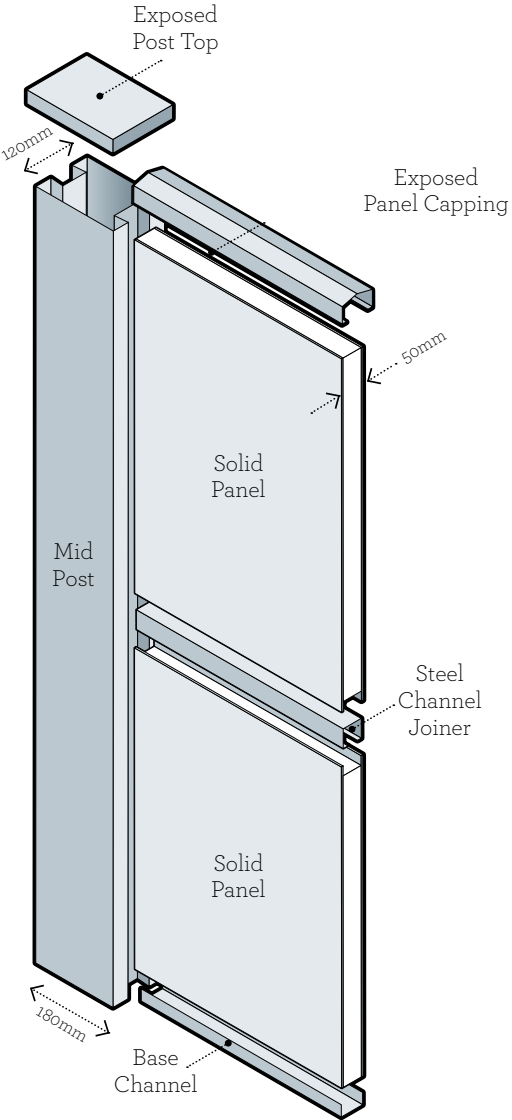
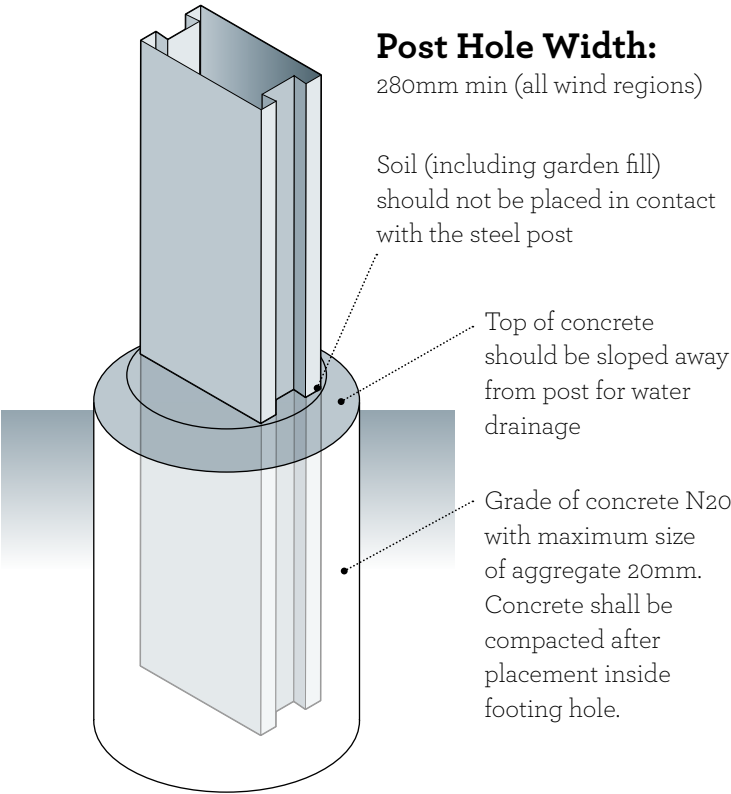
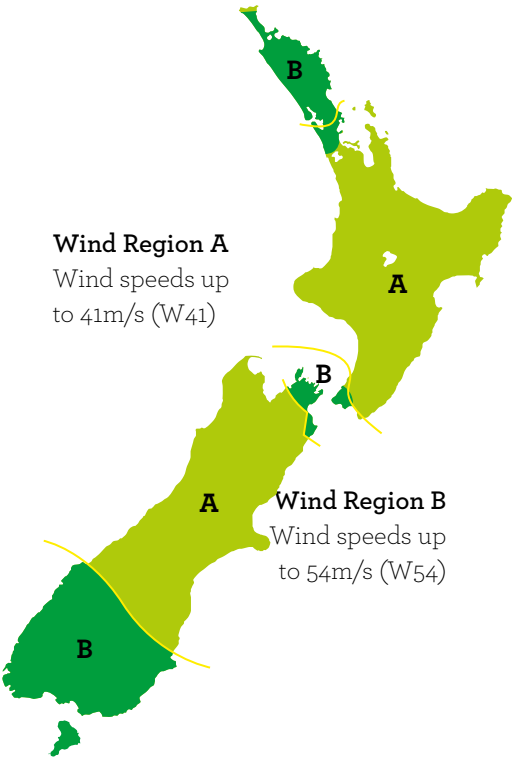
SPECIFICATIONS

Centre to Centre Guide

Panel Length		Post Hole Centres
2400mm	>	2530mm
2700mm	>	2830mm

Post Hole Depth Guide Wind Regions A&B

Hole Depth Into Firm Earth Or Clay		Fence Height		Hole Depth Into Sand, Soft Clay Or Loose Earth
450mm	>	900mm	>	550mm
550mm	>	1200mm	>	650mm
600mm	>	1500mm	>	700mm
650mm	>	1800mm	>	800mm
700mm	>	2100mm	>	900mm
800mm	>	2400mm	>	1000mm

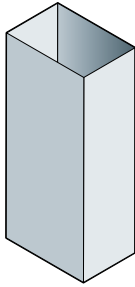


CLASSIC

PRE-PRIMED STEEL COMPONENTS

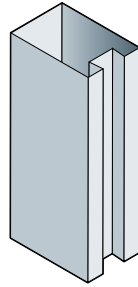
Pillar

120mm (deep)
× 180mm (face)
× length subject to fence
height plus post hole depth



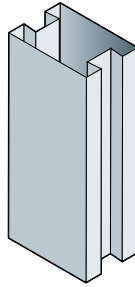
End Post

120mm (deep)
× 180mm (face)
× length subject to fence
height plus post hole depth



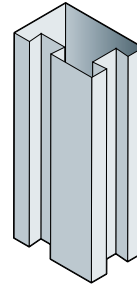
Mid Post

120mm (deep)
× 180mm (face)
× length subject to fence
height plus post hole depth



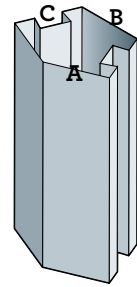
90° Post

120mm (deep)
× 180mm (face)
× length subject to fence
height plus post hole depth



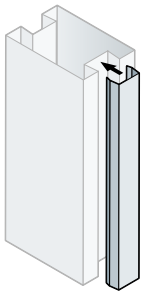
45°/Custom Angle Post

115mm (A) × 117mm (B)
× 120mm (C)
× length subject to fence
height plus post hole depth



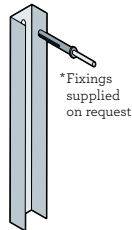
Post Infill

30mm (deep)
× 50mm (face)
× length subject to
fence height



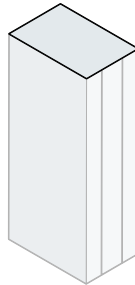
Wall Mount Channel & Masonry Anchor*

30mm (deep)
× 52mm (back face)
× length subject to
fence height



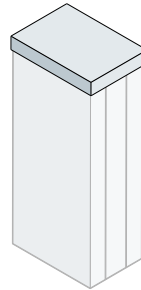
Flush Post Top

120mm (deep)
× 180mm (face)
× 20mm (leg height)



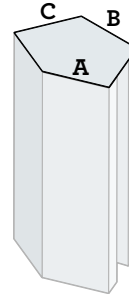
Exposed Post Top

170mm (deep)
× 240mm (face)
× 40mm (height)



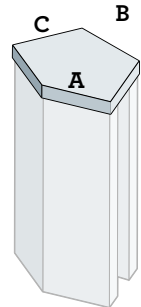
Flush 45° Post Top

110mm (A) × 115mm (B)
× 118mm (C)
× 20mm (leg height)



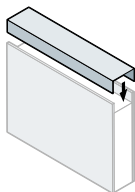
Exposed 45° Post Top

145mm (A) × 145mm (B)
× 155mm (C)
× 40mm (height)



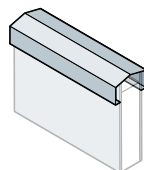
Flush Panel Capping

20mm (leg height)
× 51mm (top face)
× length subject to
panel length



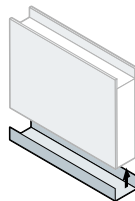
Exposed Panel Capping

45mm (leg height)
× 80mm (top face)
× length subject to
panel length



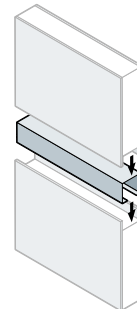
Base Channel

20mm (leg height)
× 51mm (face)
× length subject to
panel length



Steel Channel Joiner

30mm (deep) × 40mm (face)
× length subject to
panel length



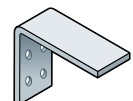
Tek Screw

10/16 galvanised
tek screw
16mm (length)



Support Bracket

35mm (deep)
× 40mm (face with holes) ×
48mm (wide)



CLASSIC INFILL PANELS

Slat and Tubular Infills are also available to enhance your fencing. Please refer to the individual infill pages later in this section.

SIGNATURE

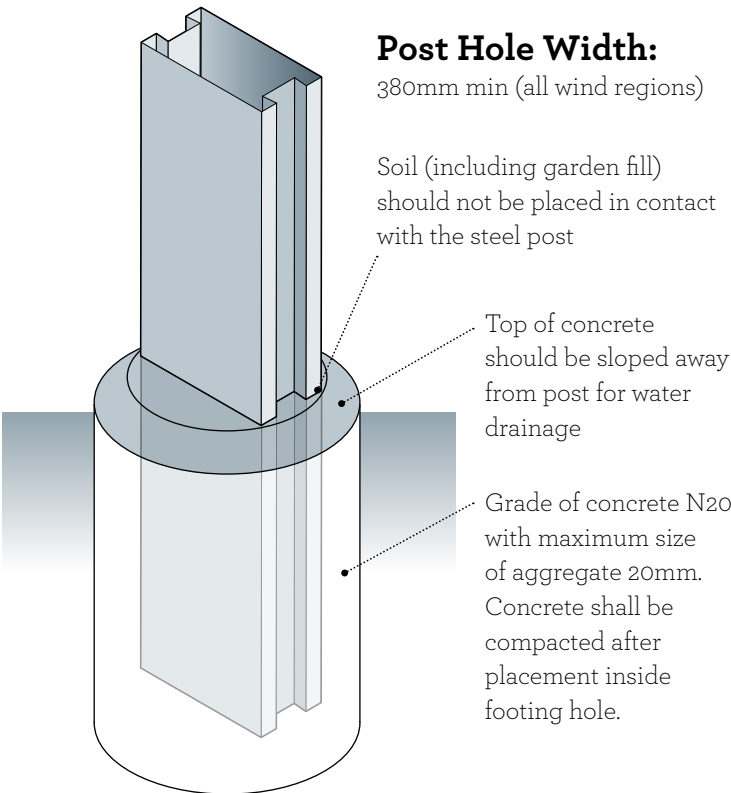
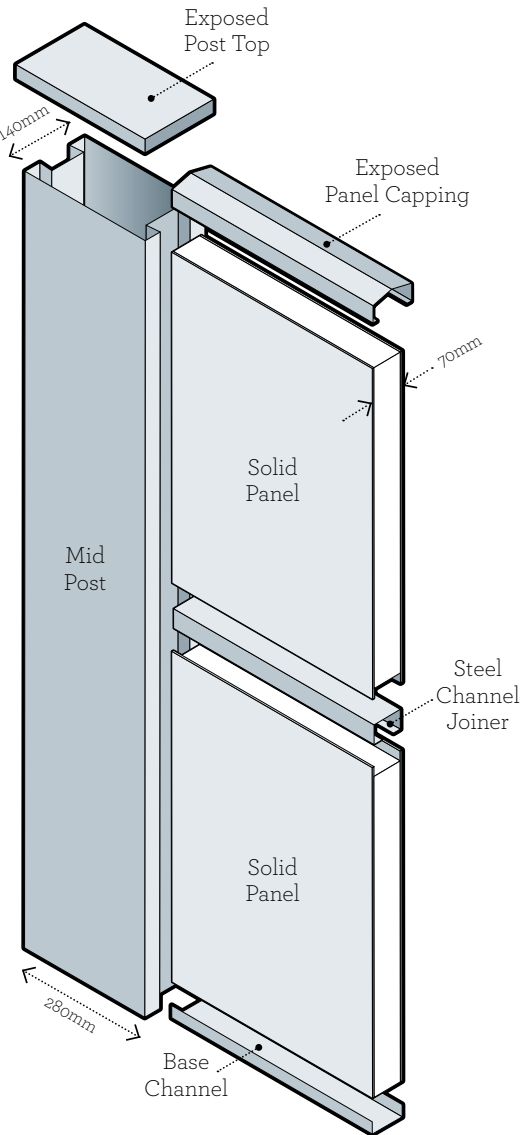
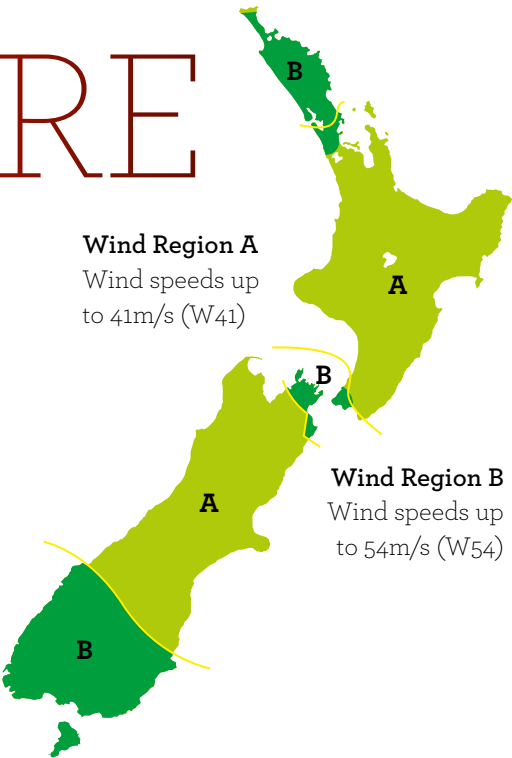
SPECIFICATIONS

Centre to Centre Guide

Panel Length	Post Hole Centres
2400mm	> 2630mm
2700mm	> 2930mm

Post Hole Depth Guide Wind Regions A&B

Hole Depth Into Firm Earth Or Clay	Fence Height	Hole Depth Into Sand, Soft Clay Or Loose Earth
450mm	> 900mm	> 550mm
550mm	> 1200mm	> 650mm
600mm	> 1500mm	> 700mm
650mm	> 1800mm	> 800mm
700mm	> 2100mm	> 900mm
800mm	> 2400mm	> 1000mm
900mm	> 2700mm	> 1100mm
1000mm	> 3000mm	> 1200mm

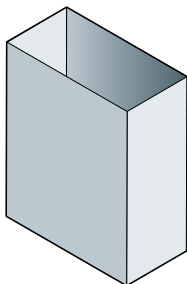


SIGNATURE

PRE-PRIMED STEEL COMPONENTS

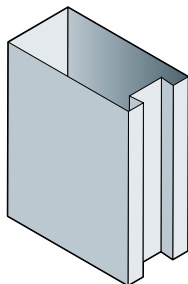
Pillar

140mm (deep)
× 280mm (face)
× length subject to fence
height plus post hole depth



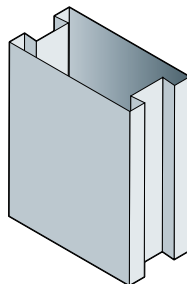
End Post

140mm (deep)
× 280mm (face)
× length subject to fence
height plus post hole depth



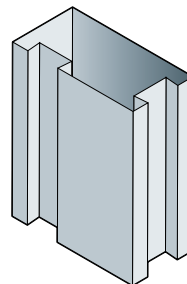
Mid Post

140mm (deep)
× 280mm (face)
× length subject to fence
height plus post hole depth



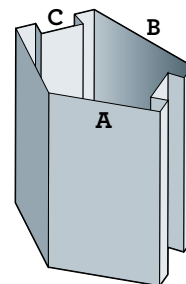
90° Post

140mm (deep)
× 280mm (face)
× length subject to fence
height plus post hole depth



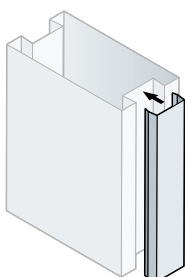
45°/Custom Angle Post

170mm (A) × 205mm (B)
× 137mm (C)
× length subject to fence
height plus post hole depth



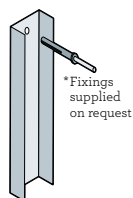
Post Infill

30mm (deep)
× 70mm (face)
× length subject to
fence height



Wall Mount Channel & Masonry Anchor*

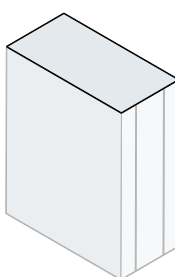
30mm (deep)
× 72mm (back face)
× length subject to
fence height



*Fixings
supplied
on request

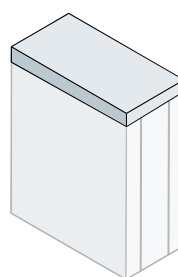
Flush Post Top

140mm (deep)
× 280mm (face)
× 20mm (leg height)



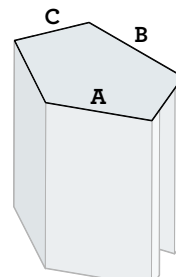
Exposed Post Top

190mm (deep)
× 330mm (face)
× 40mm (height)



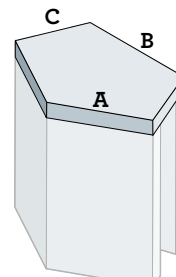
Flush 45° Post Top

165mm (A) × 199mm (B)
× 139mm (C)
× 20mm (leg height)



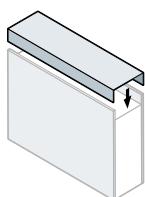
Exposed 45° Post Top

200mm (A) × 230mm (B)
× 180mm (C)
× 40mm (height)



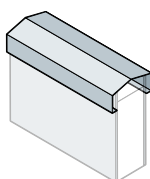
Flush Panel Capping

20mm (leg height)
× 71mm (top face)
× length subject to
panel length



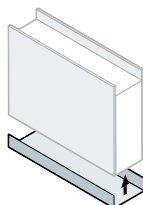
Exposed Panel Capping

55mm (leg height)
× 100mm (top face)
× length subject to
panel length



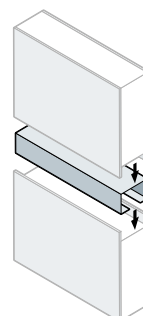
Base Channel

20mm (leg height)
× 71mm (face)
× length subject to
panel length



Steel Channel Joiner

30mm (deep) × 60mm (face)
× length subject to
panel length



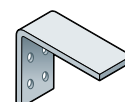
Tek Screw

10/16 galvanised
tek screw
16mm (length)



Support Bracket

40mm (deep)
× 60mm (face with holes) ×
78mm (wide)



SIGNATURE INFILL PANELS

Slat, Louvre, Tubular and Glass Infills are also available to enhance your fencing. Please refer to the individual infill pages later in this section.

ESTATE

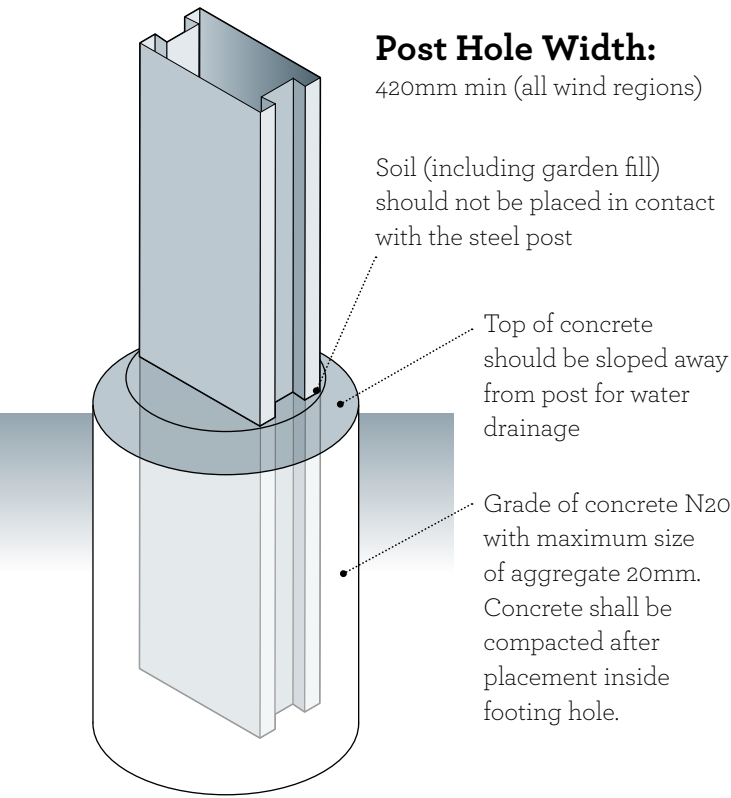
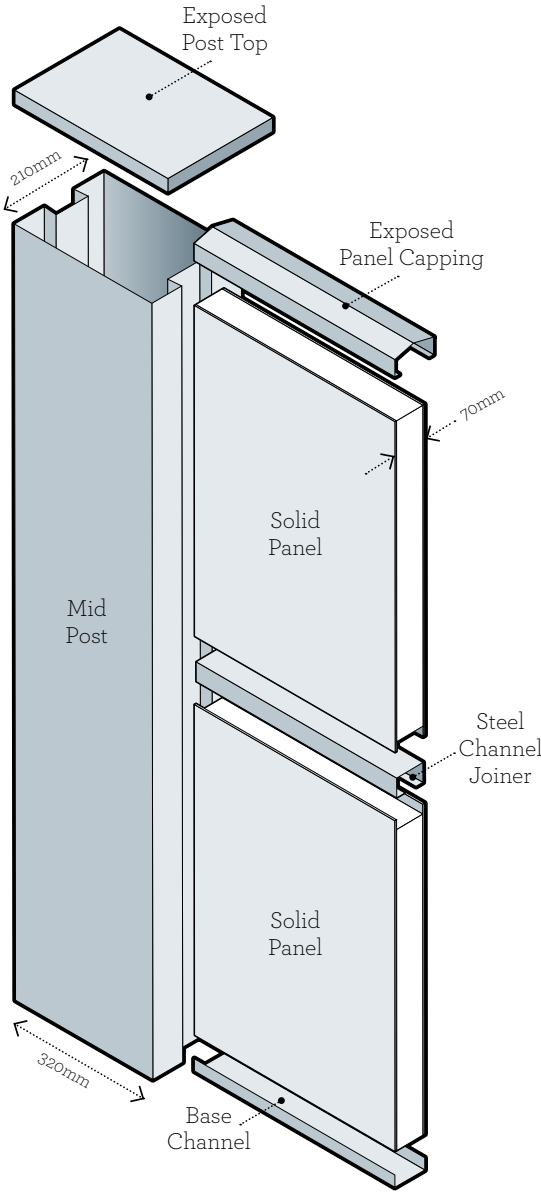
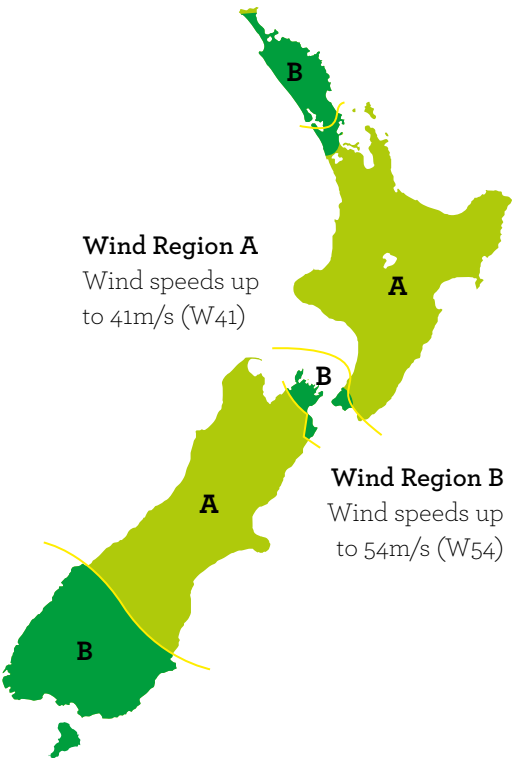
SPECIFICATIONS

Centre to Centre Guide

Panel Length	Post Hole Centres
2400mm	> 2670mm
2700mm	> 2970mm

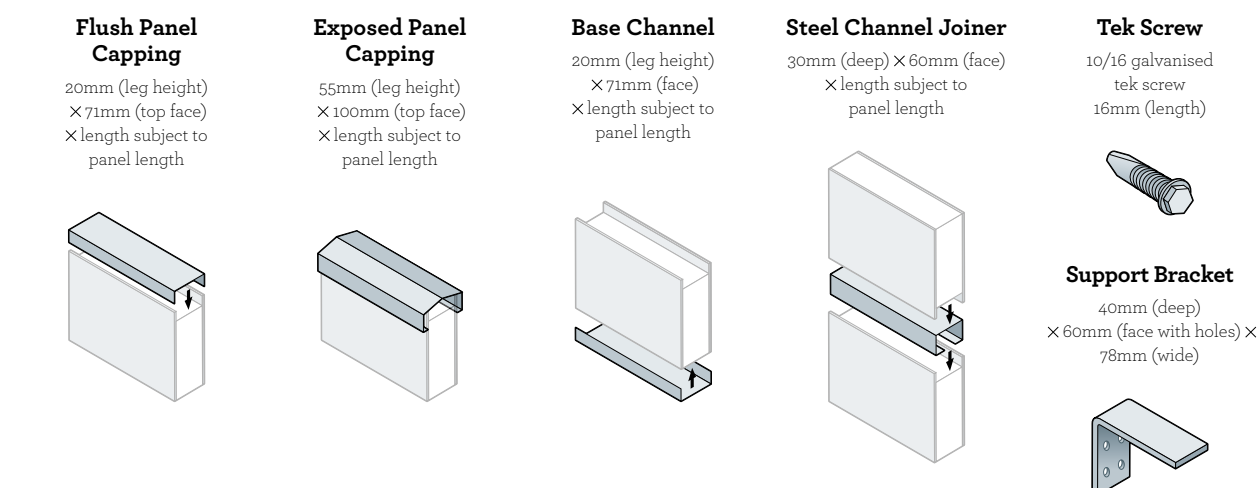
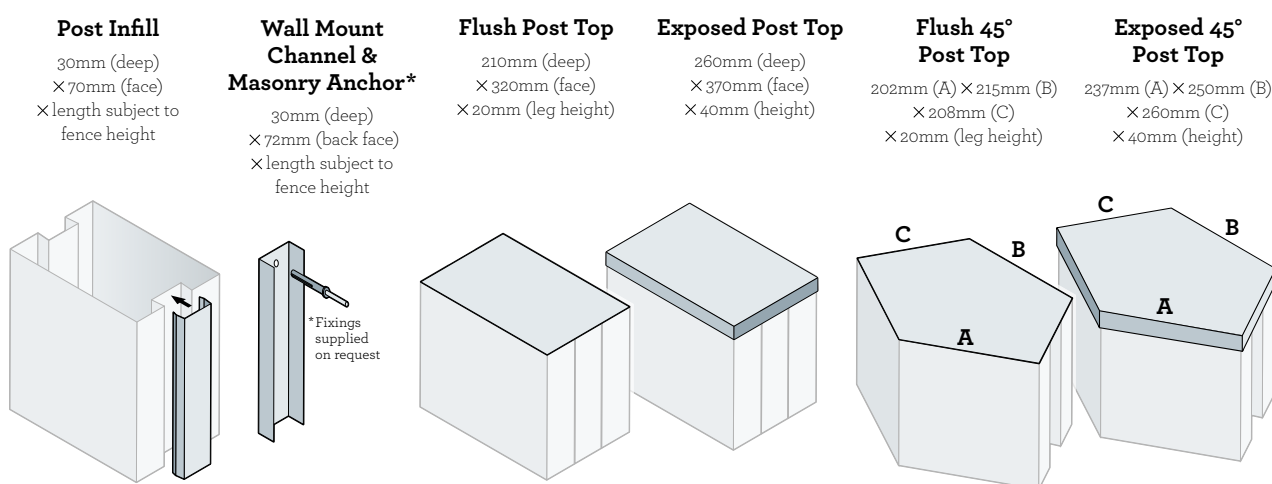
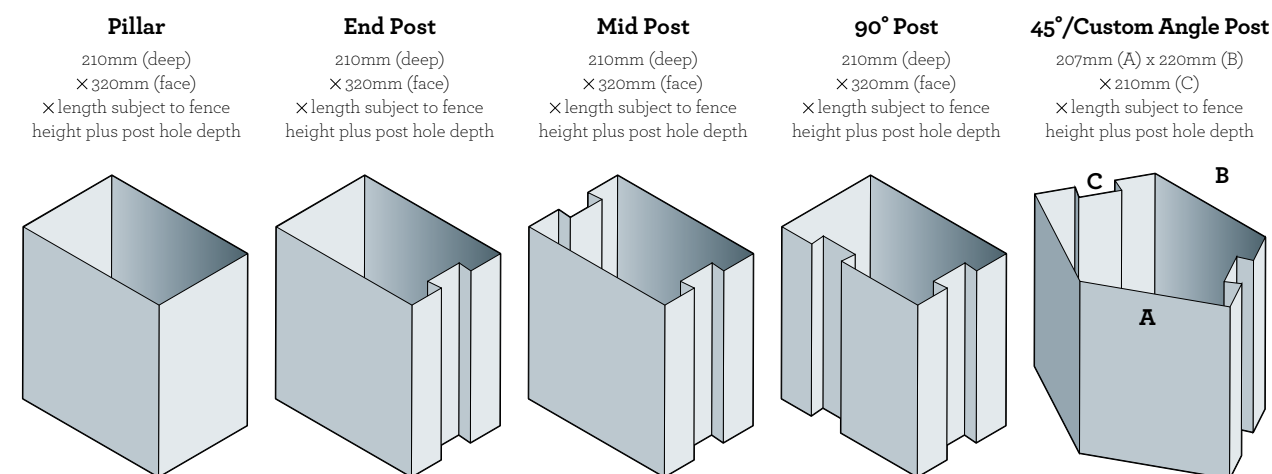
Post Hole Depth Guide Wind Regions A&B

Hole Depth Into Firm Earth Or Clay	Fence Height	Hole Depth Into Sand, Soft Clay Or Loose Earth
450mm	> 900mm	> 550mm
550mm	> 1200mm	> 650mm
600mm	> 1500mm	> 700mm
650mm	> 1800mm	> 800mm
700mm	> 2100mm	> 900mm
800mm	> 2400mm	> 1000mm
900mm	> 2700mm	> 1100mm
1000mm	> 3000mm	> 1200mm



ESTATE

PRE-PRIMED STEEL COMPONENTS



ESTATE INFILL PANELS

Slat, Louvre, Tubular and Glass Infills are also available to enhance your fencing. Please refer to the individual infill pages later in this section.

SOLID WALL CAPPING OPTIONS

FULL EXPOSED CAP



Exposed caps for panels and posts, will give your fence a timeless look.



EXPOSED PANEL CAPS



Exposed panels caps with flush post caps, for sleek style.



FLUSH CAP



Flush capping for panels and posts, for a minimalist modern look.



EXPOSED POST CAPS

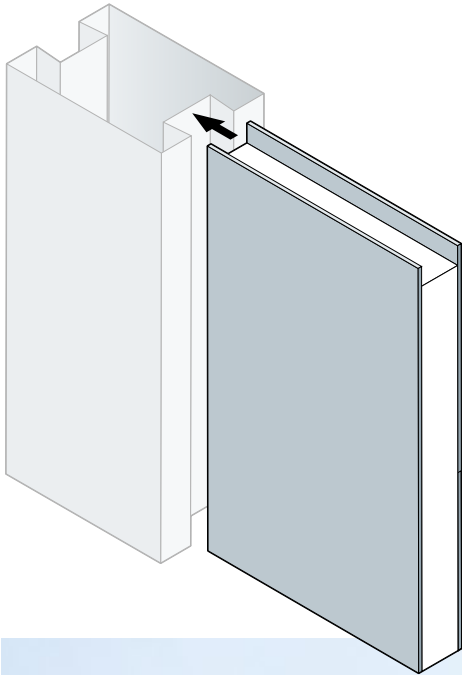


Exposed posts caps flush panel caps, for a basic style.



CLASSIC PANELS

SOLID PANELS



Construction:

5mm fibre cement outer skins

40mm expanded polystyrene core

2400mm (length) x 600mm (height) x 50mm (width)

2400mm (length) x 900mm (height) x 50mm (width)

2400mm (length) x 1200mm (height) x 50mm (width)

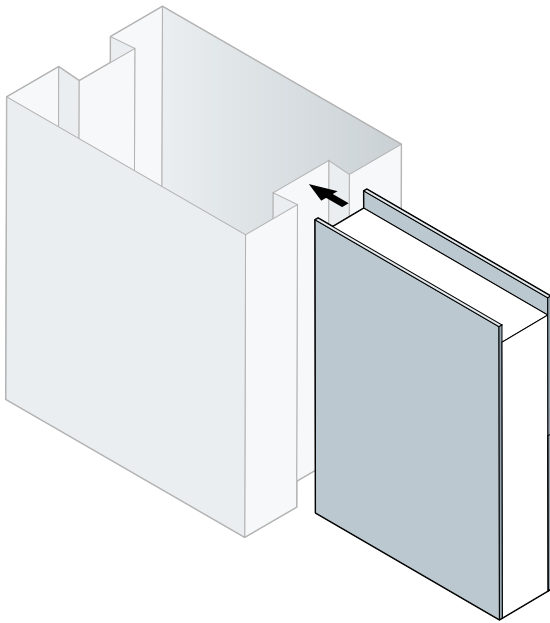
2700mm (length) x 900mm (height) x 50mm (width)

2700mm (length) x 1200mm (height) x 50mm (width)



SIGNATURE/ESTATE PANELS

SOLID PANELS



Construction:

5mm fibre cement outer skins
60mm expanded polystyrene core

2400mm (length) x 600mm (height) x 70mm (width)

2400mm (length) x 900mm (height) x 70mm (width)

2400mm (length) x 1200mm (height) x 70mm (width)

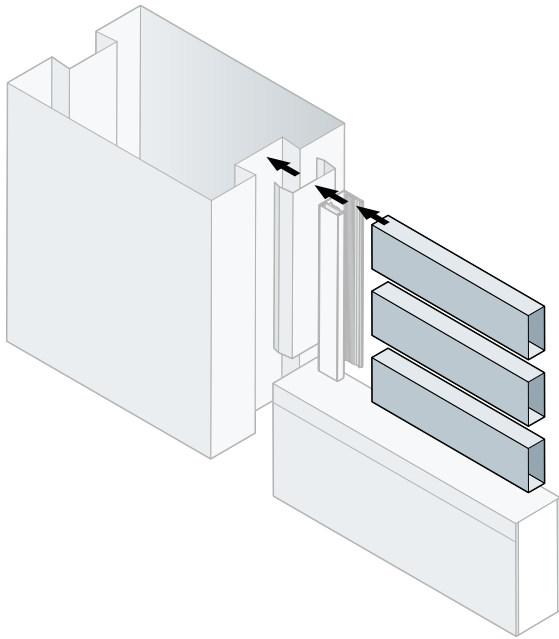
2700mm (length) x 900mm (height) x 70mm (width)

2700mm (length) x 1200mm (height) x 70mm (width)



CLASSIC/SIGNATURE/ ESTATE INFILL PANELS

HORIZONTAL SLAT INFILL PANELS



Slat Infill Panel Height Options:

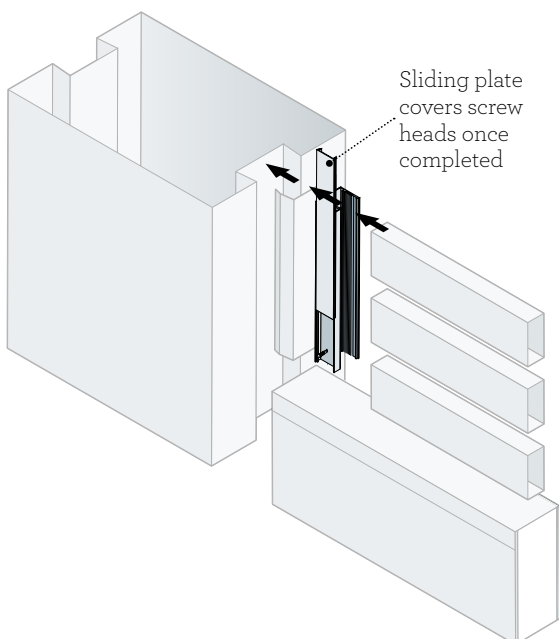
300mm	900mm	1500mm
600mm	1200mm	1800mm

Slat Construction:
Powdercoated aluminium

Slat Sizes:

- 2330mm (length) x 60mm (height) x 25mm (width)**
- 2330mm (length) x 85mm (height) x 25mm (width)**
- 2630mm (length) x 60mm (height) x 25mm (width)**
- 2630mm (length) x 85mm (height) x 25mm (width)**

HORIZONTAL SLAT INFILL PANELS



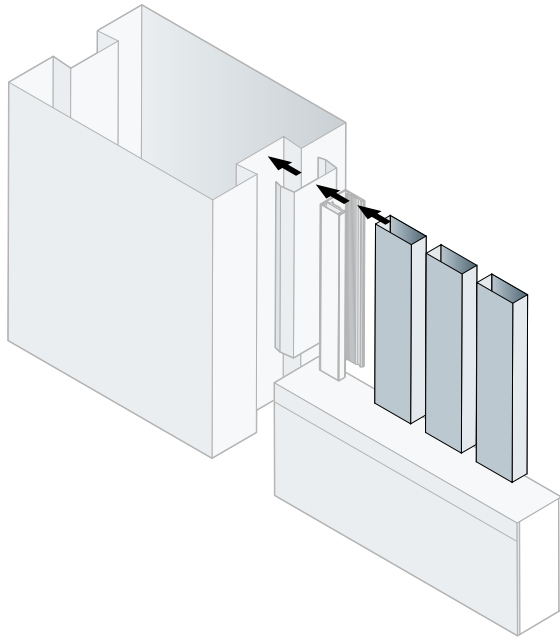
Construction:
**Aluminium slat channel with cover,
powdercoated to same colour as the slats.**

Slat Channel: 39mm x 32mm (includes screw plate)

Slat channel length will be cut to length required – total height of all slats plus gaps between slats, and gaps top and bottom.

CLASSIC/SIGNATURE/ ESTATE INFILL PANELS

VERTICAL SLAT INFILL PANELS



Slat Infill Panel Height Options:

300mm	900mm	1500mm
600mm	1200mm	1800mm

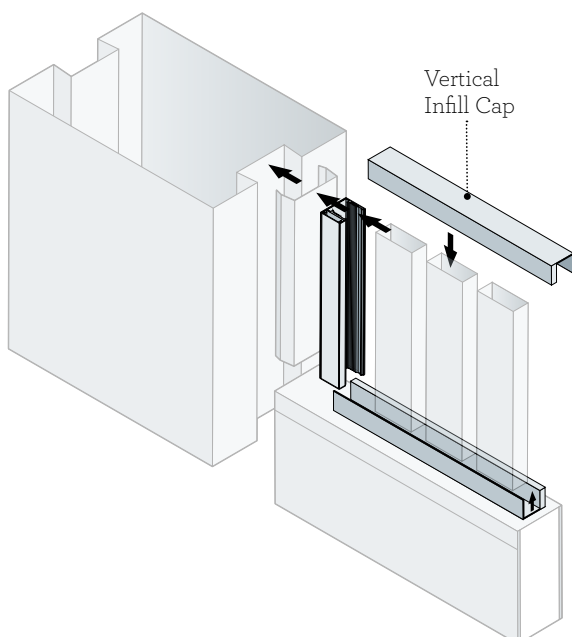
Slat Construction:

Powdercoated aluminium

Slat Sizes:

- 2330mm (length) x 60mm (height) x 25mm (width)
- 2330mm (length) x 85mm (height) x 25mm (width)
- 2630mm (length) x 60mm (height) x 25mm (width)
- 2630mm (length) x 85mm (height) x 25mm (width)

VERTICAL SLAT INFILL CHANNEL



Construction:

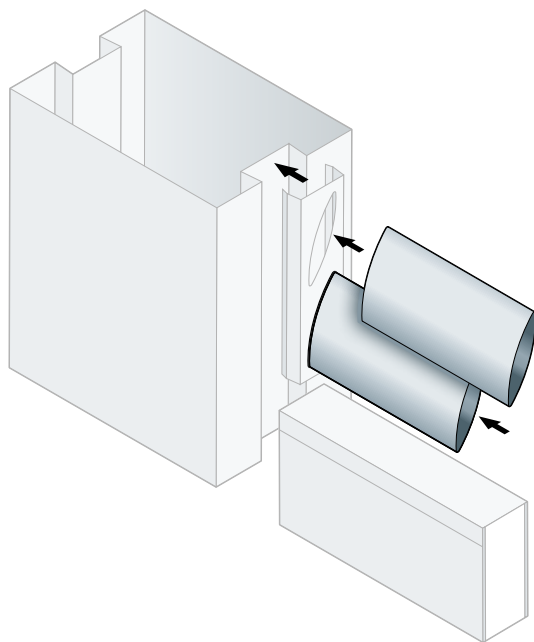
**Aluminium slat channel with cover,
powdercoated to same colour as the slats.**

Slat Channel: 39mm x 32mm (includes screw cover plate)

Slat channel length will be cut to length required – total height of all slats plus gaps between slats, and gaps top and bottom.

SIGNATURE/ESTATE INFILL PANELS

LOUVRE INFILL PANELS



Louvre Infill Panel Height Options:

350mm (3 louvres)	1200mm (10 louvres)
600mm (5 louvres)	1500mm (13 louvres)
900mm (8 louvres)	1800mm (15 louvres)

Construction:

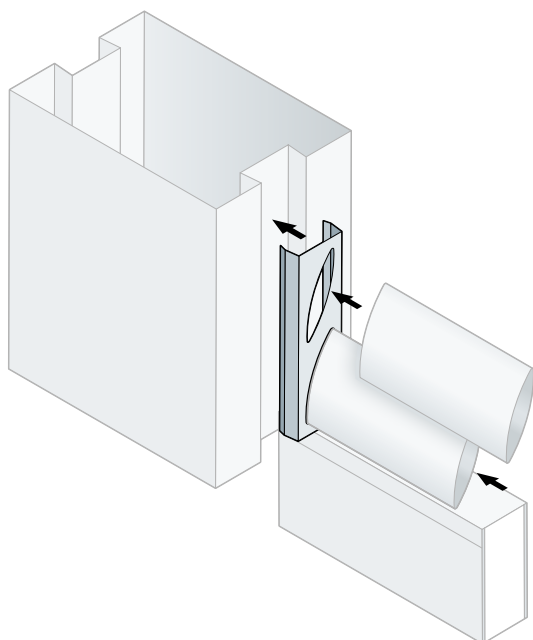
135mm high aluminium aerofoil louvre infill powder-coated to your colour choice.

Louvre Sizes:

2400mm (length) x 136mm (height) x 32mm (width)
to suit 2400mm panels

2700mm (length) x 136mm (height) x 32mm (width)
to suit 2700mm panels

LOUVRE INFILL FIXINGS



Construction:

Aluminium Louvre 135mm x 30mm inserted into a pre-punched steel Channel that accepts the louvre infill.

Louvres may need to be cut 5mm shorter than your solid panel and then inserted onto the fixing bar. The finished assembly can then be inserted between the posts.

CLASSIC/SIGNATURE/ ESTATE INFILL PANELS

TUBULAR INFILL PANELS

Construction:

Aluminium, powder-coated black. Constructed from 40mm x 40mm rails and 19mm x 19mm pickets. It is important to note that our 'square cross section' tubular panels are superior in strength to some inferior, 'round cross section' panels.

Single Top Rail

2400mm Max. (length) x 950mm (height) x 40mm (width)

2400mm Max. (length) x 1200mm (height) x 40mm (width)



Custom 600mm panel shown.



Double Top Rail

2400mm Max. (length) x 1200mm (height) x 40mm (width)

2400mm Max. (length) x 1500mm (height) x 40mm (width)

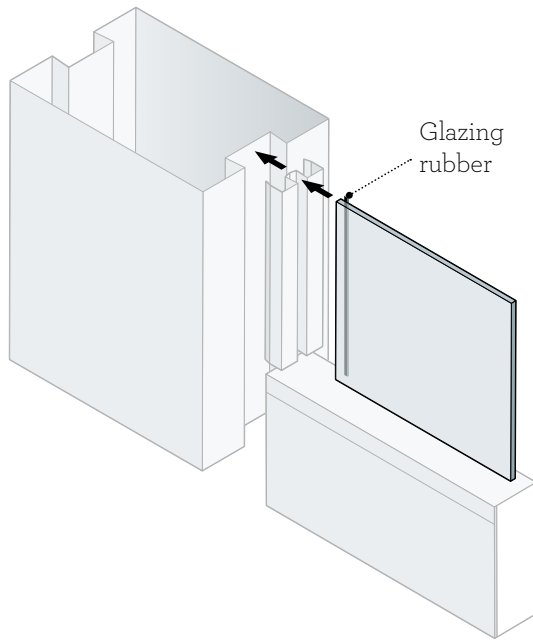
2400mm Max. (length) x 1800mm (height) x 40mm (width)



SIGNATURE/ESTATE INFILL PANELS

GLASS INFILL PANELS

For the 70mm Signature and Estate posts only



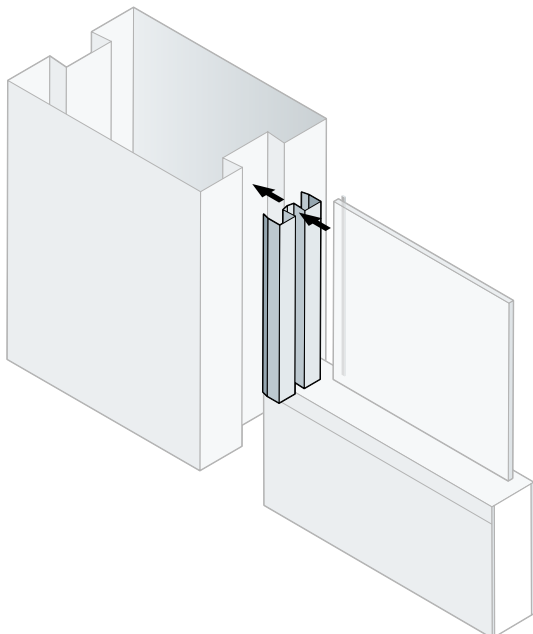
Construction:

12mm toughened safety glass

**2380mm (length) x 1200mm Max. (height)
x 12mm (width)**



GLASS INFILL FIXINGS



Max Glass Panel Size

**2400 Max (length) x 1200mm. (height)
x 12mm (width)**



One88 On Commerce

One88 on Commerce motel needed a noise barrier wall that looked great, as it is on a corner of a busy street. BelAire outfitted the motel with an acoustic barrier to separate them from the street and small wing units between the motel rooms to create privacy and provide shade.

Project Specifications:

Client: One88 On Commerce

Signature Wall/ Slat Infill for small Wings

2100mm and 1800mm high

Exposed Capping, Solid/Slat Bays

230m

Colour

Clay



Whangārei Noise Wall

Campbell G from Whangārei had a renovation to do for his inspiring property in Whangārei, the property was situated on a busy main road and they wanted to be able to block out the road noise.

The BelAire wall fitted to exactly what Campbell required, he wanted a noise wall and also a feature wall to add to the property's landscape, along with this he chose to grow a creeper up the wall for an added feature to one side of the property. The house is an older style and needed the wall to also work in with the style.

Project Specifications:

Signature Wall

55m x 1.8m, 2.4m and 2.7m high

Exposed Capping

"The wall is great, it fitted the budget, provides absolute privacy and exceeded our expectations in reducing road noise from unbearable to virtually nothing!! Highly recommend!"

Campbell Garton



Karaka Pines Retirement Village

Karaka Pines Retirement village in Rototuna, Hamilton, asked for an aesthetically pleasing boundary fence with noise reduction and privacy benefits.

Project Specifications:

Estate Wall

314m x 1.8m high

Exposed Capping, Solid/Slat Bays

900mm high with 900mm high of vertical 85mm slats with 33mm gaps

Colour

Painted double concrete, slats powder coated Grey Friars

Client: Karaka Pines Group Limited

Architect: Boffa Miskell

Landscaper: Evergreen Landcare LTD



