

Who we are

BelAire is a brand of Storetech Industries. Storetech Industries is a family owned business that has been operating since 1974.

Core Values Internal External

Passion - Attention To Detail Trust - Team Players Greater Customer Experience - Trust Loyalty - Effort - Excellence

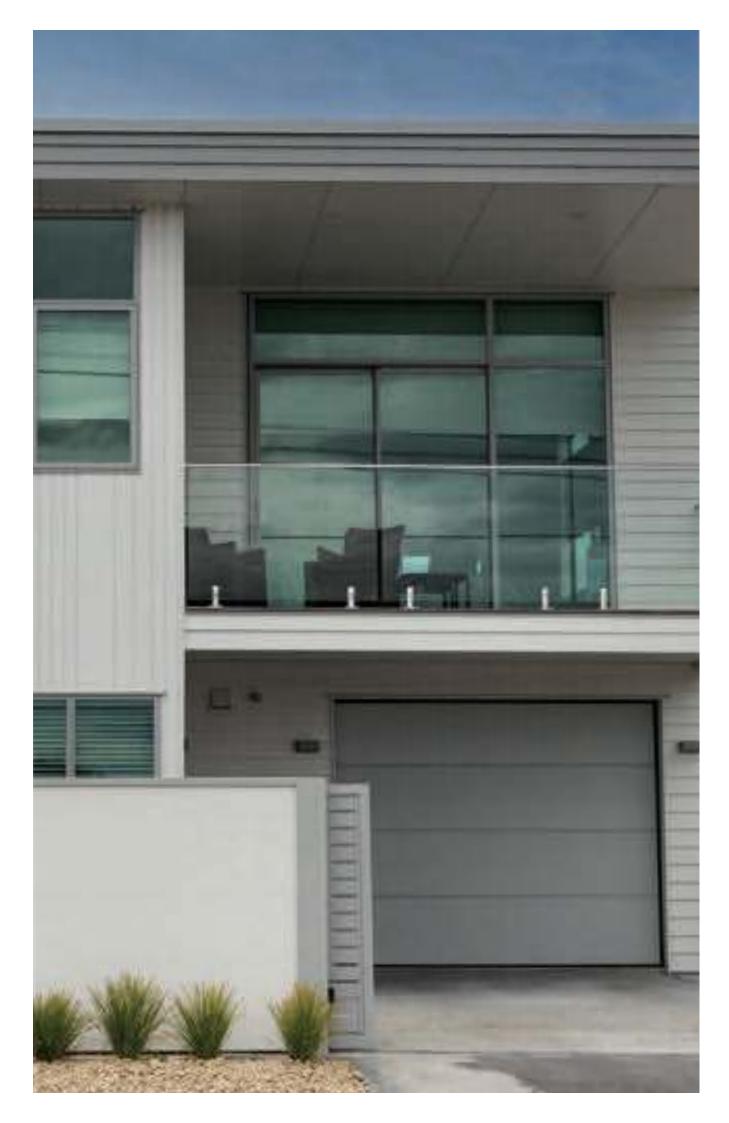
Our Mission

To make sure New Zealanders can be confident that their outdoor equipment and personal environment is secure and protected by offering New Zealand's widest range of simple, modular fencing solutions while adhering to our core values.

Ben Carney - Owner/Director

Peter Carney - Owner/Director







...make it your own!

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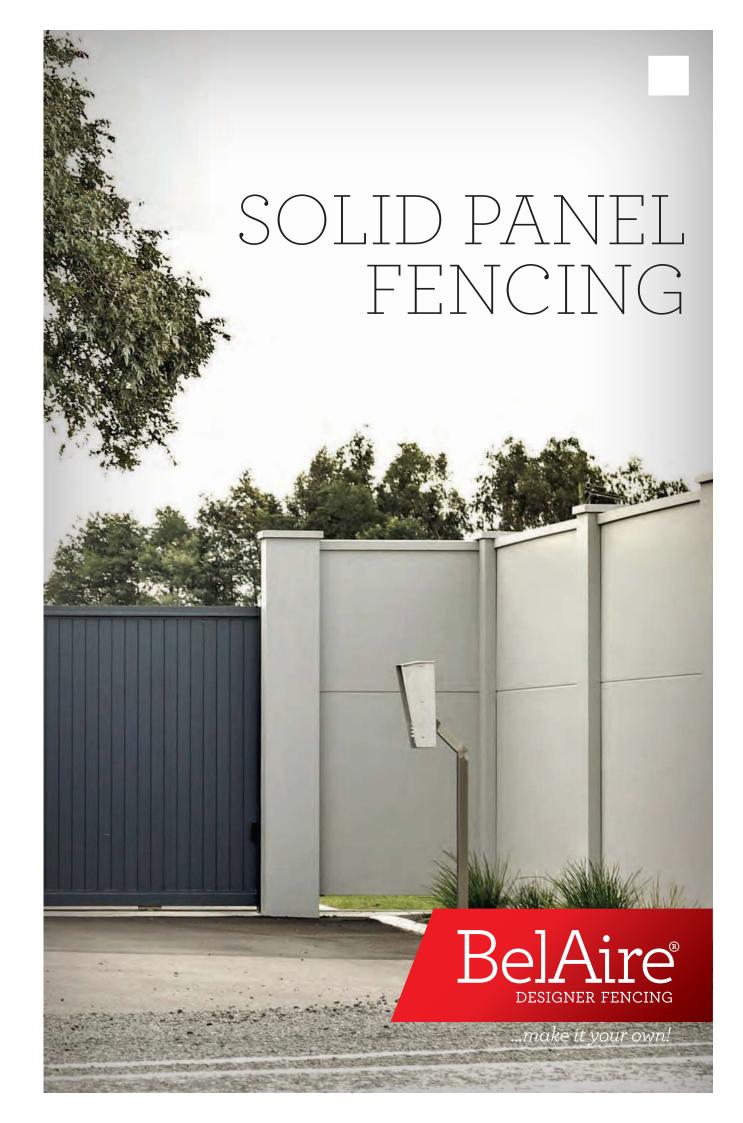
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SOLID ACOUSTIC PANEL FENCING

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 highperformance 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.

volume of loud neighbours and traffic noise today.

ACOUSTIC FENCING

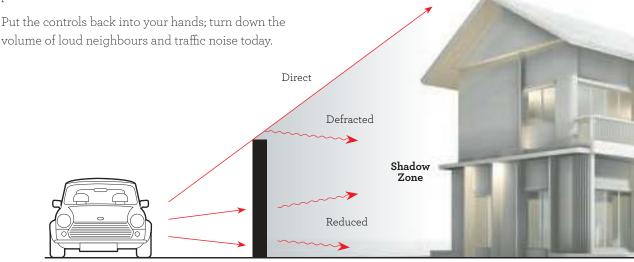
BelAire solid wall systems are acoustically tested and rated, keeping all unwanted surrounding noises at bay and providing peace and quiet for your home.

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.





...make it your own!

SOLID PANEL FENCING

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

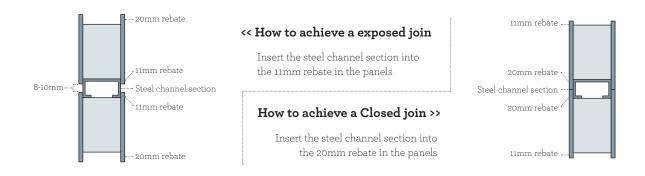
New Zealand-made and 10 year warranty information. Be assured that with very little maintenance your fence will give you great privacy and security for many years to come. Only the finest raw materials have been used in the construction of your fence. The suppliers of these raw materials state that they 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.





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.

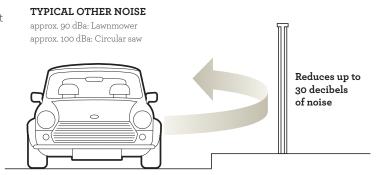


NOISE BARRIER

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.

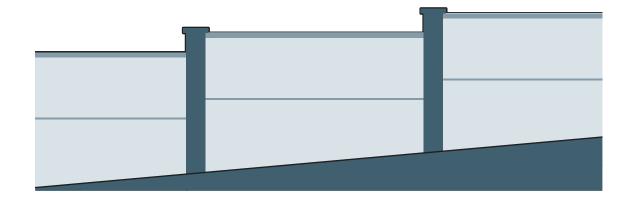
TYPICAL TRAFFIC NOISE - 12m from road edge

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



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.





SOLID PANEL FENCING / INTRODUCTION

CLASSIC

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

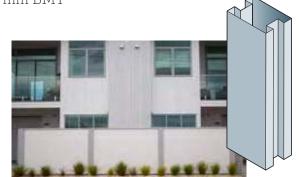
Panel thickness: 50mm

Density of composite panel materials: 15.49kg/m^2

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/m^2

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

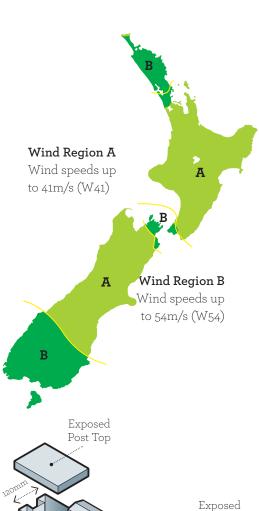
Panel Length Post Hole Centres

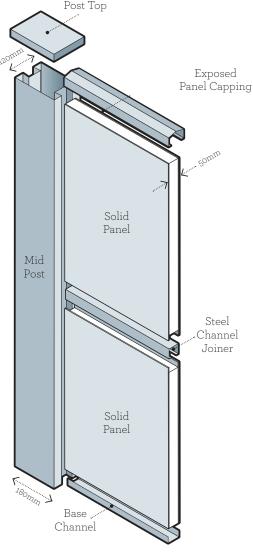
2400mm > 2530mm 2700mm > 2830mm

Post Hole Depth Guide Wind Regions A&B

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

Post Hole Width: 280mm min (all wind regions) Soil (including garden fill) should not be placed in contact with the steel post Top of concrete should be sloped away from post for water drainage Grade of concrete N20 with maximum size of aggregate 20mm. Concrete shall be compacted after placement inside footing hole.





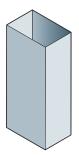


SOLID PANEL FENCING / CLASSIC

STEEL COMPONENTS

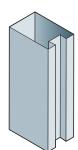
Pillar

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



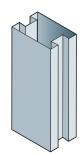
End Post

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



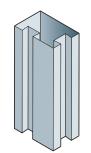
Mid Post

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



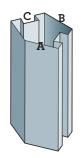
90° Post

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



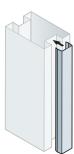
45°/Custom Angle Post

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



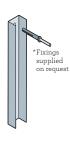
Post Infill

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

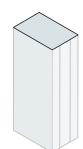
170mm (deep) ×240mm (face) ×40mm (height)

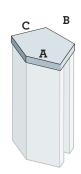
Flush 45° Post Top

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



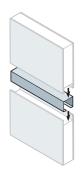
Base Channel

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

> 800mm > 2400mm > 1000mm 900mm > 2700mm > 1100mm

1000mm > 3000mm > 1200mm

Post Hole Width:
380mm min (all wind regions)

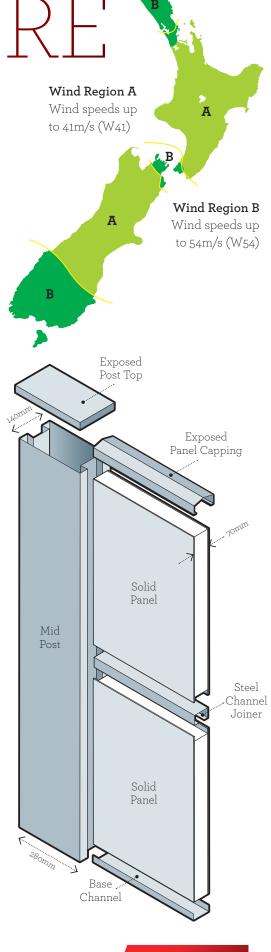
Soil (including garden fill)
should not be placed in contact
with the steel post

Top of concrete
should be sloped away
from post for water
drainage

Grade of concrete N20
with maximum size
of aggregate 20mm.
Concrete shall be
compacted after

placement inside

footing hole.





SOLID PANEL FENCING / SIGNATURE

SIGNATURE

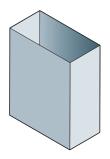
PRE-PRIMED STEEL COMPONENTS

Pillar

140mm (deep)

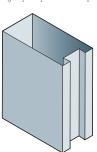
× 280mm (face)

× length subject to fence
height plus post hole depth



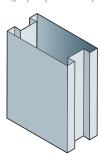
End Post

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



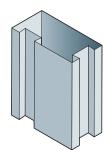
Mid Post

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



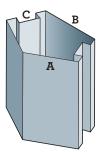
90° Post

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



45°/Custom Angle Post

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



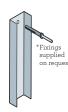
Post Infill

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



Wall Mount Channel & Masonry Anchor*

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



Flush Post Top

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



Exposed Post Top

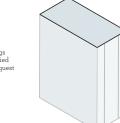
190mm (deep) ×330mm (face) ×40mm (height)

Flush 45° Post Top

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

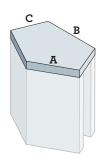


200mm (A) × 230mm (B) × 180mm (C) × 40mm (height)



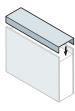


C B



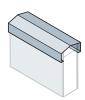
Flush Panel Capping

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



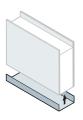
Exposed Panel Capping

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



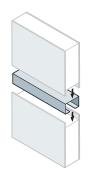
Base Channel

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

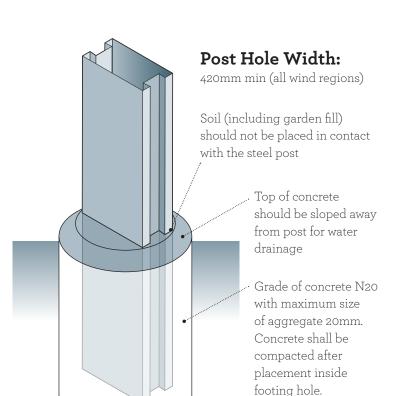
Centre to Centre Guide

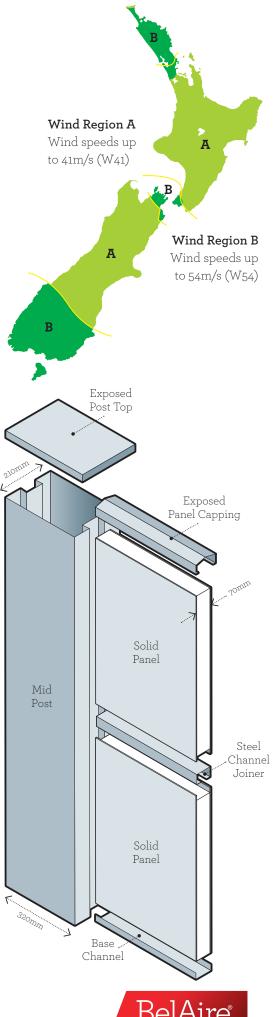
Panel Length Post Hole Centres

2400mm > 2670mm 2700mm > 2970mm

Post Hole Depth Guide Wind Regions A&B

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





SOLID PANEL FENCING / ESTATE

ESTATE

PRE-PRIMED STEEL COMPONENTS

Pillar

210mm (deep)

× 320mm (face)

× length subject to fence
height plus post hole depth

End Post

210mm (deep)

× 320mm (face)

× length subject to fence
height plus post hole depth

Mid Post

210mm (deep)

× 320mm (face)

× length subject to fence
height plus post hole depth

90° Post

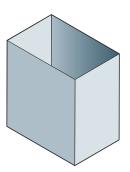
210mm (deep)

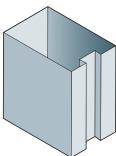
× 320mm (face)

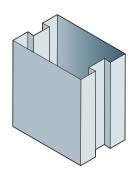
× length subject to fence
height plus post hole depth

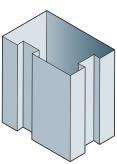
45°/Custom Angle Post

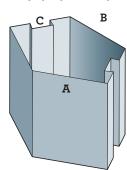
207mm (A) x 220mm (B) × 210mm (C) × length subject to fence height plus post hole depth











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

Flush Post Top

210mm (deep) × 320mm (face) × 20mm (leg height)

Exposed Post Top

260mm (deep) ×370mm (face) ×40mm (height)

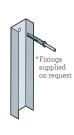
Flush 45° Post Top

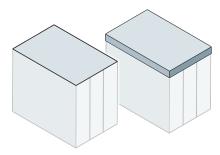
202mm (A) × 215mm (B) × 208mm (C) × 20mm (leg height)

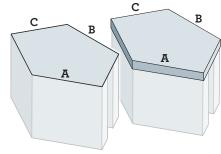
Exposed 45° Post Top

237mm (A) × 250mm (B) × 260mm (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



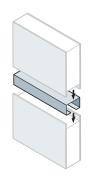
Base Channel

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)



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

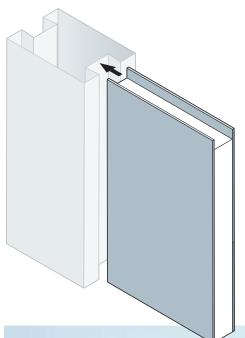


Exposed posts caps flush panel caps, for a basic style.



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)

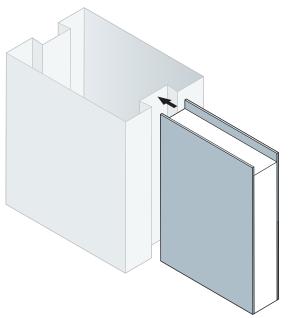




SOLID PANEL FENCING / SOLID PANELS

SIGNATURE/ESTATE PANELS

SOLID PANELS



Construction:

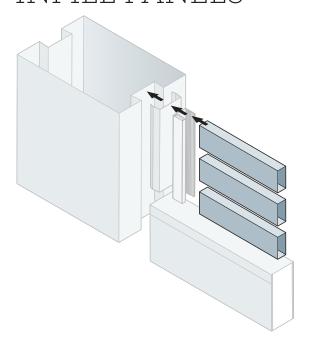
5mm fibre cement outer skins 60mm expanded polystyrene core

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

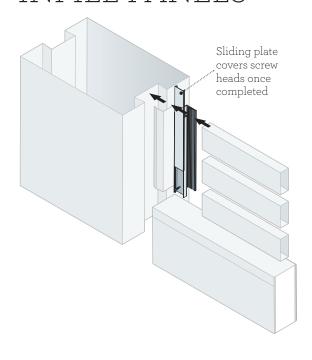
Slat Construction:

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 cover plate)

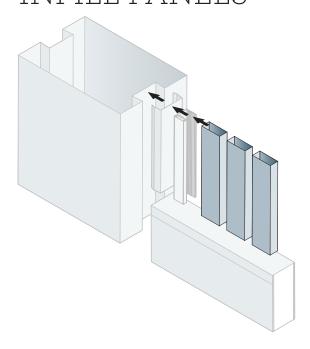
Slat channel length will be cut to length required – total height of all slats plus gaps between slats, and gaps top and bottom.



SOLID PANEL FENCING / INFILL PANEL OPTIONS

CLASSIC/SIGNATURE/ ESTATE INFILL PANELS

VERTICAL SLAT INFILL PANELS



Slat Infill Panel Height Options:

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

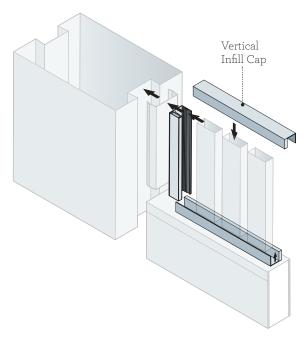
Slat Construction:

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:

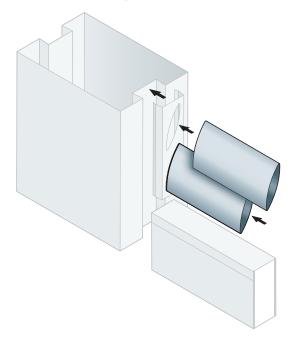
Aluminium slat channel with cover, powdercoated to same colour as the slats.

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:

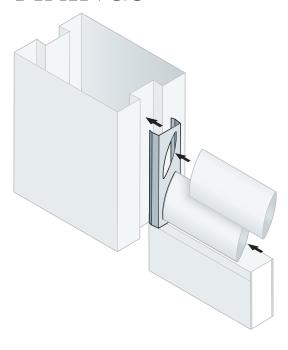
135mm high aluminium aerofoil louvre infill powder-coated to your colour choice.

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 prepunched 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.



SOLID PANEL FENCING / INFILL PANEL OPTIONS

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)







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)

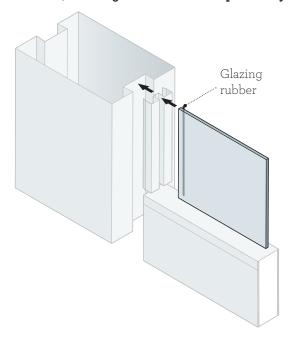




SIGNATURE/ESTATE INFILL PANELS

GLASS INFILL PANELS

For the 70mm Signature and Estate posts only



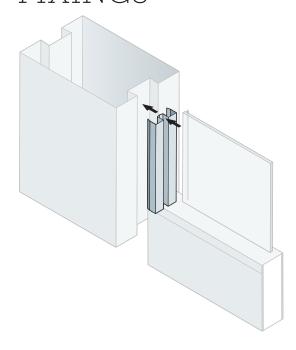
Construction:

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)





SOLID PANEL FENCING / COMMERCIAL PROJECTS

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 Whangarei had a renovation to do for his inspiring property in Whangarei, 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









SOLID PANEL FENCING / COMMERCIAL PROJECTS

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

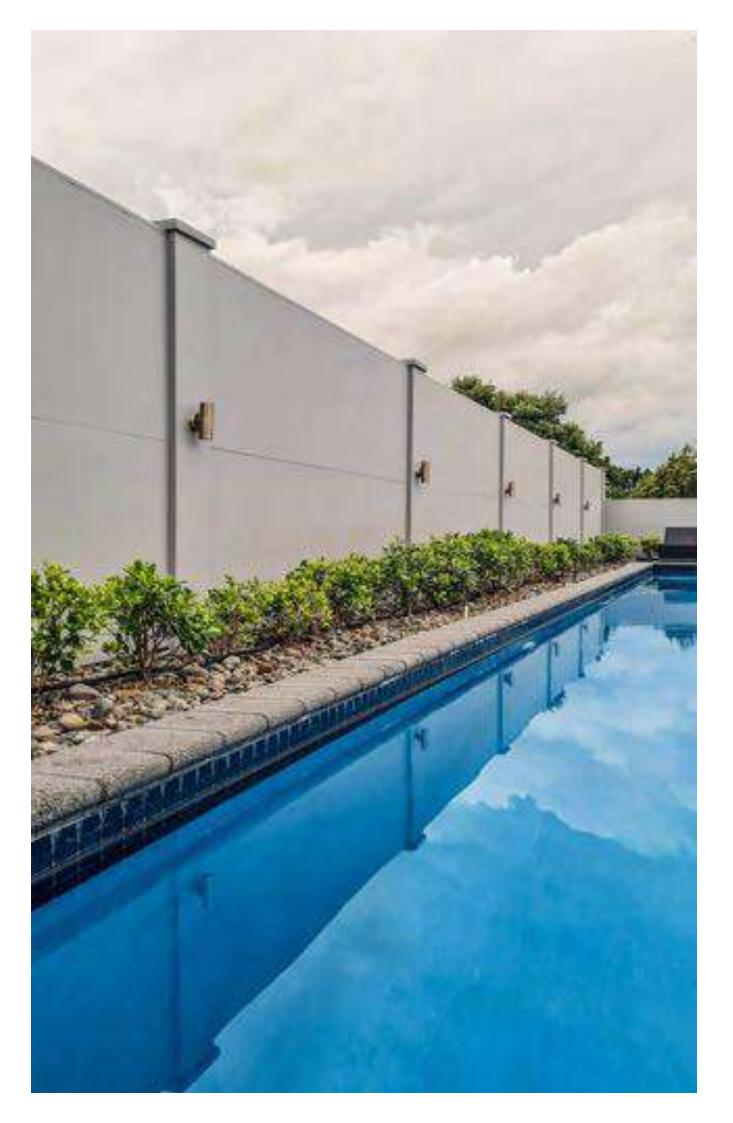
Architect: Boffa Miskell

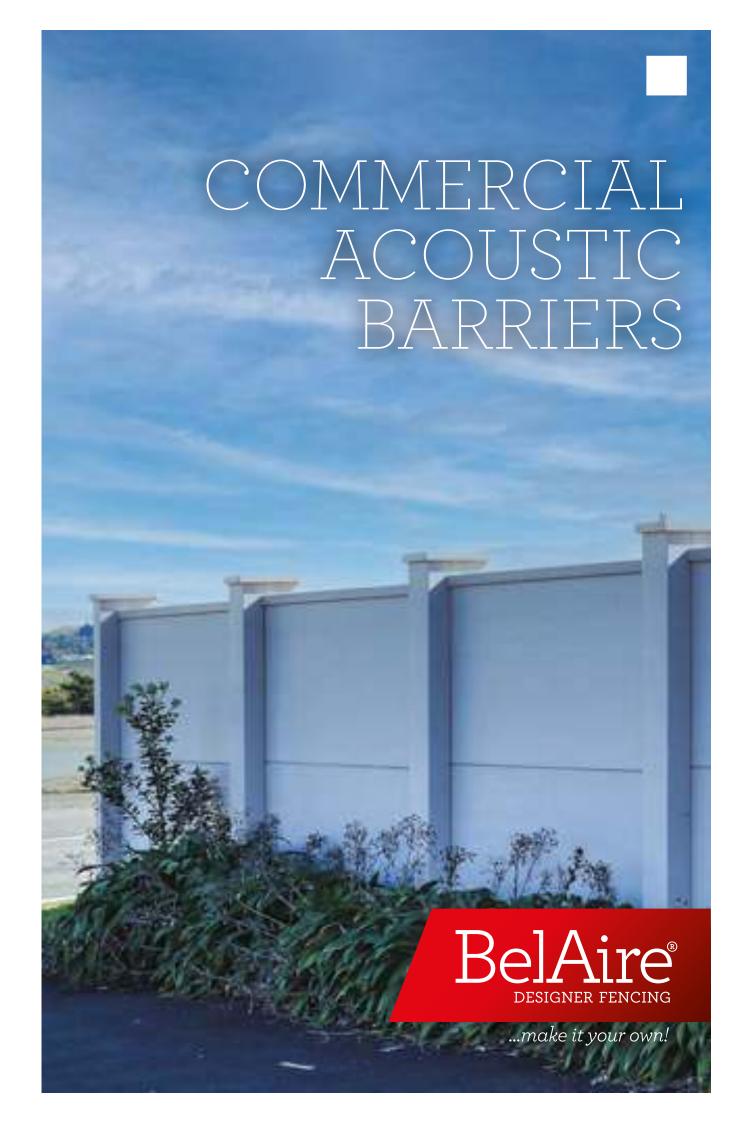
Landscaper: Evergreen Landcare LTD















...make it your own!

COMMERCIAL ACOUSTIC BARRIERS

HOW DOES A NOISE BARRIER WORK?

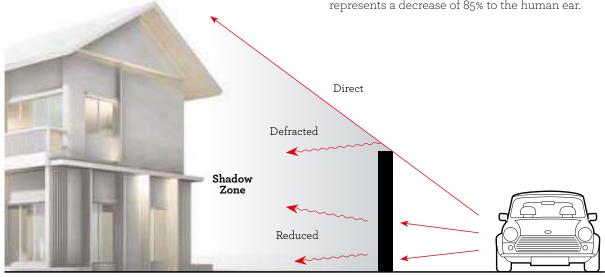
A noise barrier is a solid structure that intercepts and reduces sound within the shadow that it casts. The closer a barrier can be to the source or receiver and the higher it is, the more effective it will be, and, to be effective, the line of sight between the source and receiver must be blocked completely by the barrier.

The standard BelAire 70mm panel, with its 60mm expanded polystyrene core, will reduce sound levels up to approximately 28 decibels*.

*See "Acoustic Barrier Field Test". Levels in your own situation may differ due to environmental conditions such as ground type and surrounding objects or buildings. Frequency is also a factor – high frequency sounds are more effectively decreased than low frequencies.

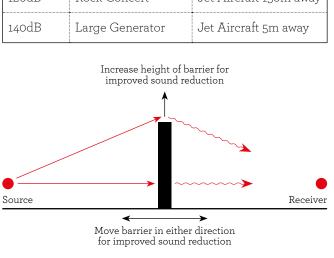
HUMAN PERCEPTION OF SOUND

DID YOU KNOW? A decrease in noise of 10dB would be perceived to be half as loud, and a 28dB reduction represents a decrease of 85% to the human ear.



COMMERCIAL ACOUSTIC BARRIERS

Decibels	Residential	Commercial
20dB	Whisper	Secluded Woods
45dB	Bedroom	Library
6odB	Conversation	Air Conditioning Unit
70dB	Living Room Music	Passing Cars
8odB	Factory Office	Passing Truck
90dB	Lawn Mower	Chainsaw
100dB	Motorbike	Jointer/Planer
110dB	Music Concert	Jack Hammer
120dB	Rock Concert	Jet Aircraft 150m away
140dB	Large Generator	Jet Aircraft 5m away









COMMERCIAL ACOUSTIC BARRIERS / ACOUSTIC FIELD TEST REPORT

ACOUSTIC FIELD TEST REPORT

Evaluated by the Acoustics Research Group at the University of Canterbury. A comprehensive report is available on request.

PURPOSE:

It is the intention of this report to illustrate the performance of the BelAire barrier system in real-world applications. These testing environments were selected due to their ability to offer easily identifiable and comparable scenarios. This included:

- · Origin of sound, its type and extent
- Geographical layout
- · Barrier configuration

SCOPE:

This information is to be used as a guide and in conjunction with the independent laboratory testing that has been performed on BelAire barriers. The test results reported below are an accurate account of the locations used. Should specific values be required for an application of the BelAire barrier system, it is recommended that a formal acoustic analysis be undertaken for that environment.

TESTING EQUIPMENT SPECIFICATIONS

Digitech model QM-1589

Standard applied IEC651 type 2,

ANSI S1.4 type2

Frequency range 31.5Hz~8kHz

Measuring level range 30~130dB (Low range 30-100dB

used for these records)

Frequency weighting A/C

(A used for these records)

Microphone ½" electret condenser

Time weighing Fast 125mS, Slow 1 Sec

(Slow used for these records)

Accuracy +/-1.5dB

TEST 1 HIGHWAY ROAD NOISE

Origin source 6 lane highway

(70Km/hr)

5.5m

Location of barrier

from origin

Barrier type 4.0m barrier type wall

(75mm panel)

Readings at exposed side

Steady fluctuation 71-81dB
Peak reading 84dB
Minimum reading 68dB

Readings at shielded side

Steady fluctuation 58-60dB
Peak reading 61dB
Minimum reading 56dB

NOTES:

Further readings were taken at a distance of 5m back from the shielded side of the barrier (approx 10.5m from origin). Readings at this distance displayed a fluctuating range of 1 to 2dB higher than at the shielded face of the barrier. Readings at greater distances from the shielded face displayed only ambient sound levels and were not influenced by the fluctuating decibel range of the highway.

TEST 2 DOMESTIC LAWNMOWER

Origin source 2-Stroke lawnmower

Location of barrier 2m

from origin

Barrier type 2.1m traditional type wall

(75mm panel)

Readings at exposed side

Steady fluctuation 90-91dB

(min/max reading also)

Readings at shielded side

Steady fluctuation 62dB

(min/max reading also)

NOTES:

A secondary reading was taken at a distance of 5 meters back from the shielded side of the barrier and a steady reading of 63 dB was recorded. This increase of approx 1dB is consistent with the highway values shown in Test 1. The peak and minimum readings for the lawnmower test are not listed due to them being identical to the steady output values.

ACOUSTIC BARRIER POSTS

FOR BARRIERS up to 3.0m HIGH

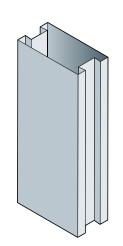
Post dimensions: 140mm (deep) x 280mm (face) 0.95 mm BMT

Panel thickness: 70mm

Density of composite panel materials: 15.49kg/m²

Suitable for fence heights: 900mm - 3000mm

Post centres: 2630mm, 2930mm



FOR BARRIERS up to 3.1m - 5.1m HIGH

Post dimensions: 250mm (deep) x 150mm (face) 0.95 mm BMT

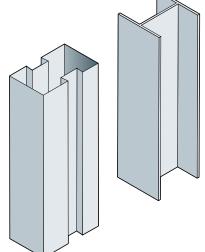
Panel thickness: 70mm

Density of composite panel materials: 15.49kg/m²

Suitable for fence heights: 3000mm - 5100mm

Post centres: 2470mm

NOTE: All barriers over 3m high need to be engineered to suit the wind regions and the ground conditions. Please contact us on 0800 235 2473 for more details.



Walls over 3000mm high will likely need to use a 100UC14 Column.



ACOUSTIC BARRIER PANELS

Construction:

5mm fibre cement outer skins 60mm expanded polystyrene core

2400mm (length) x 900mm (height) x 70mm (width) 2400mm (length) x 1200mm (height) x 70mm (width)



Up to 3.0m HIGH

SPECIFICATIONS

Centre to centre guide

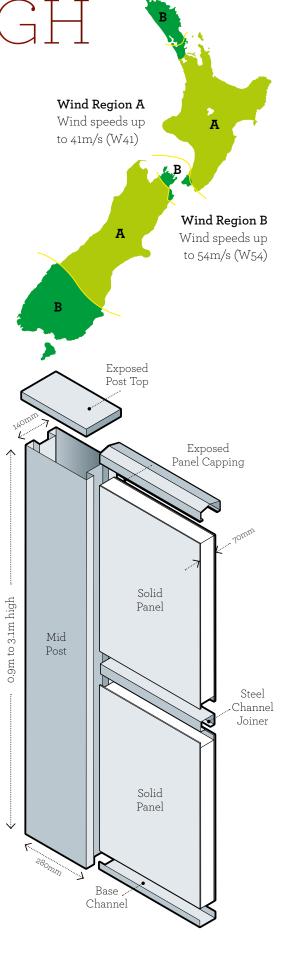
Panel length Post hole centres

2400mm > 2630mm 2700mm > 2930mm

Post hole depth guide Wind Regions A&B

Hole depth into Barrier Hole depth into sand, firm earth or clav height soft clay or loose earth 900mm 550mm 650mm 550mm 1200mm > 600mm 1500mm > 700mm 650mm > 1800mm > 800mm 900mm 700mm > 2100mm > 800mm > 2400mm > 1000mm 1100mm 900mm > 2700mm > 1000mm > 3000mm > 1200mm

Post hole width: 380mm min (all wind regions) Soil (including garden fill) should not be placed in contact with the steel post Top of concrete should be sloped away from post for water drainage Grade of concrete N20 with maximum size of aggregate 20mm. Concrete shall be compacted after placement inside footing hole.





COMMERCIAL ACOUSTIC BARRIERS / SPECIFICATIONS

3.1m to 5.1m HIGH

SPECIFICATIONS

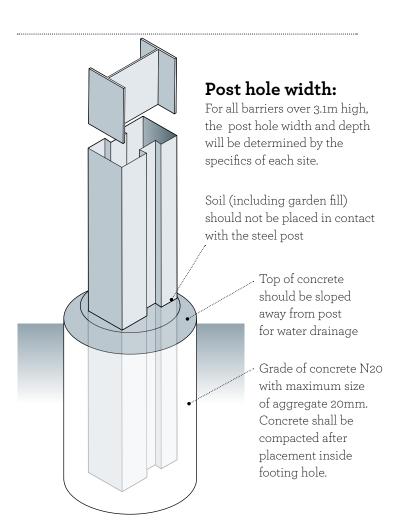
Centre to centre guide

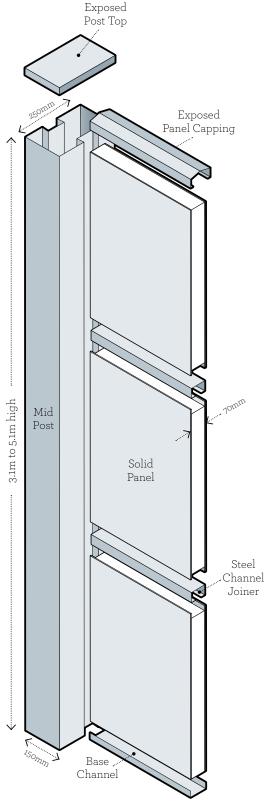
Panel length Post hole centres

2400mm > 2470mm

Post hole depth guide

Post hole depths and hole sizes will be determined by either the engineer or once on-site soil tests have been done.





Early Education Centre

An early education centre in one of Hamilton's fast-developing subdivision were looking for a wall which provided them with maximum security and noise reduction. BelAire Fencing customised a 200m Classic wall with a fun and playful colour combination.

Project Specifications:

Client: Rob Berridge Fencing

Classic Acoustic Wall 200m x 1.5/1.8m high

Flush Capping, Solid Wall

The 1500mm and 1800mm high solid panel acoustic wall was made a feature by alternating the 900mm and 600mm solid panels to make a feature out of the paint combinations.









COMMERCIAL ACOUSTIC BARRIERS / COMMERCIAL PROJECTS

Parkland Subdivision Napier

The Napier Council required a noise attenuation and security wall for it's subdivision in Parklands. The project was bordering the expressway so noise reduction was an important feature. In 15 days we were able to construct 1500m of 1.8m high barrier wall.

Project Specifications:

Signature Acoustic Wall 1500m x 1.8m high

Exposed Capping, Solid Wall 1800mm high Solid acoustic wall

"We were all very happy with the work carried out. Everything was done in a very efficient and professional manner and the guys are a great team to work with. Thanks again."

Napier Council







Queen Street Cycleway

The cycleway in Auckland had to have a noise wall as part of the entrance onto Queen Street. BelAire delivered exactly what was required and could reduce the required amount of noise as specified, with the 4.1mtr high wall this was the perfect solution to satisfy acoustic engineers requirements.

Project Specifications:

Signature Acoustic Wall

25mtr x 4.1m high

Exposed Capping, Solid Wall

The 1800mm high Solid acoustic wall used 100uc14 Beams for the posts at 2200mm post centers.









COMMERCIAL ACOUSTIC BARRIERS / COMMERCIAL PROJECT

Horse Training Facility

Noise wall was required for around the residence of the stables and training facility in Cambridge. BelAire were able to supply, install and deliver exactly what the client was looking for to reduce noise from both the highway and also the horse training facility.

Project Specifications:

Client: Rogerson Stables

Signature Acoustic Wall

150m x 2.7m high

Exposed Capping, Solid Wall

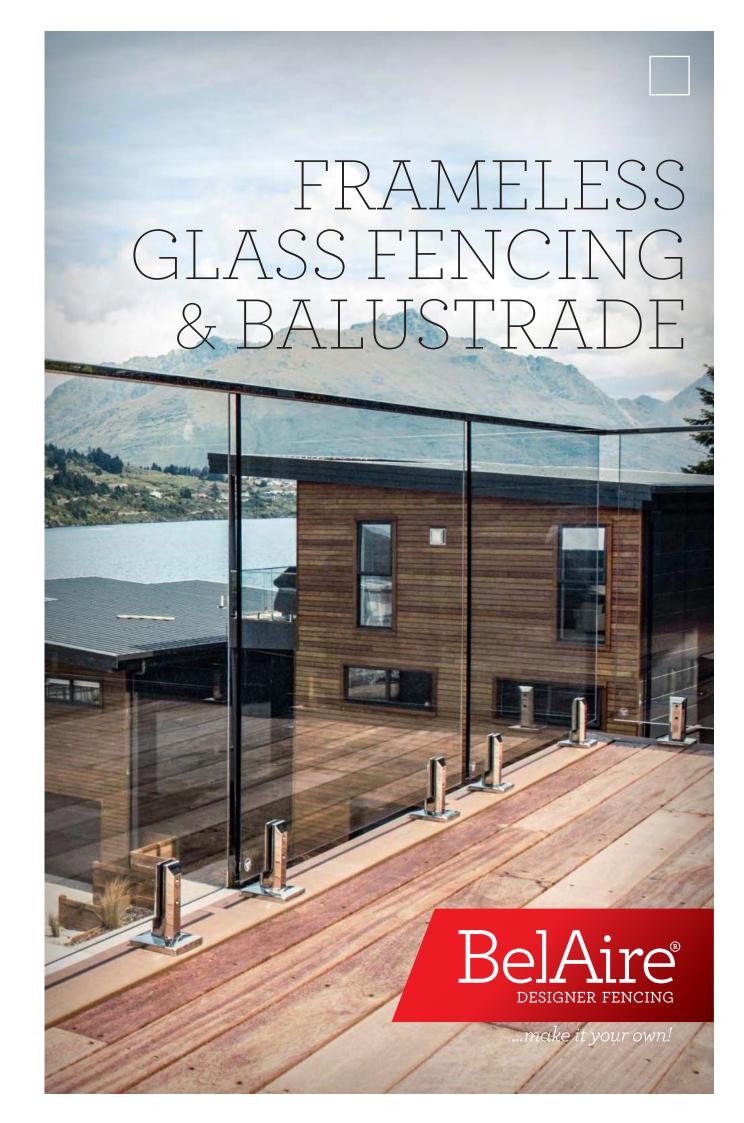
The 2700mm high solid panel acoustic wall was made up of 3×900 mm high solid panels. The terrain we could facilitate by cutting the bottom panels on an angle to suit the slope. The client also required a solid sliding gate for the driveway and a solid hinged pedestrian gate. Complete project was delivered in full and on time with minimal site disruption.



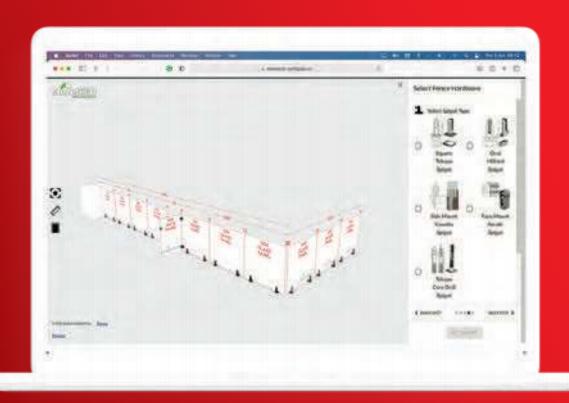








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What are you waiting for? Scan the QR Code to start building today.





FRAMELESS GLASS FENCING & BALUSTRADE

CLEAR

BelAire frameless glass pool fencing and balustrade is invisibly superior – it's crystal clear without the green tint you get with inferior brands. Enjoy lounging by the pool or on the deck with nothing to interrupt your view. Relax behind a strong, effective wind barrier and take in all-day sunshine as BelAire glass casts no shadows!

SAFE

With uninterrupted views, you'll always be able to keep your eye on the kids as they play in the pool. With 12mm thick toughened safety glass and polished bevel edges, you'll know they'll also be safe and sound outside the fence. Our gates use a self-closing hinge with a side pull latch, so you'll know they'll never be left open by mistake.

VERSATILE

BelAire can be installed on a variety of surfaces, including tiled areas, pavers, timber decks, concrete and across landscaped areas – making it a truly versatile option for pools, water features, patios, decking, and natural environments. The modern architectural look can also be customised from our selection of elegant, corrosion-resistant mini posts, latches and hinges to match your property.

EASY

It's so simple to clean and maintain – with no frames to collect water and dust, with corrosion-resistant hardware throughout, it will remain sparkling with minimum effort.

...make it your own!

It's simple to install – most home owners would find the system quick and easy to install using basic tools that they would have in their shed. If you'd rather get someone else to install it, we have a list of preferred installers throughout New Zealand. Call us on 0800 235 2473 and we will put you in touch with an installer in your area.

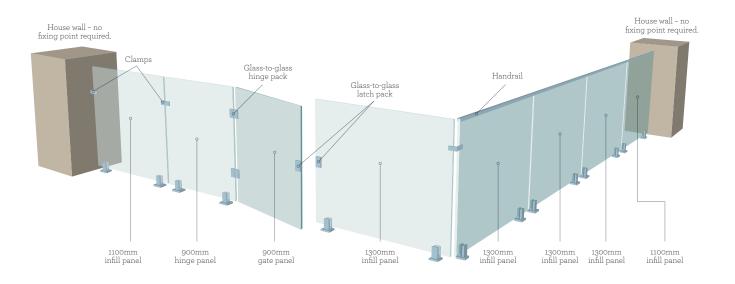
COMPLIANT

Our toughened safety glass that comes with the PAS Mark AS/NZS2208 marking on every panel and is F4 and F9 Building Code compliant. Should you require a PS1 (or an Extra High Wind Zone PS1) to submit with your pool or building permit request, please email us at

info@belairefencing.co.nz

You will require a handrail on your balustrade or pool fencing if there is a drop of more than 1m on one side. BelAire slimline handrails are manufactured from polished stainless steel to create a sophisticated finish that does not diminish the appearance of your glass fencing. They are also very strong and fully compliant to NZS4223:2016.

EXAMPLE CONFIGURATION



INDEPENDENTLY LOAD TESTED



BelAire: 345kg

Compliance requirement: 240kg

Average adult man: 81kg

Loads distributed through a 960mm x 960mm timber load board

GENERAL FEATURES

- 12mm toughened safety glass
- New Zealand standards compliant
- 10 year warranty
- · DIY instructions included

Compliant with:

F4 and F9 Building Code compliant.

AS/NZS2208: 1996

New Zealand standards for safety glass manufacturing

NZS 8500

Safety barriers and fences around swimming pools, spas and hot tubs

NZS 4223.3:2016

Approved Balustrade Handrail

SOFT, NOT SLAMMED

Even though BelAire gates are made from toughened safety glass, a slammed glass gate will always put you



on edge. Relax. Upgrade to glass-to-glass or glass-to wall **Polaris soft-closing hinges,** and you'll never hear the bang of a slammed gate again!

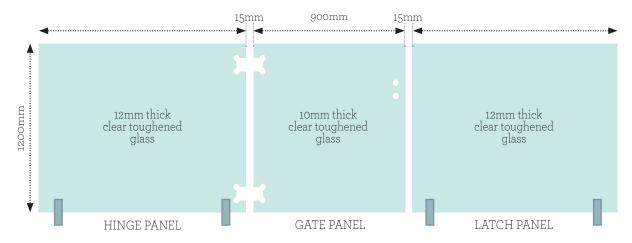
Choose to upgrade to Polaris soft-closing hinges when you order online, or just talk with one of our friendly sales representatives.



FRAMELESS GATE LAYOUTS

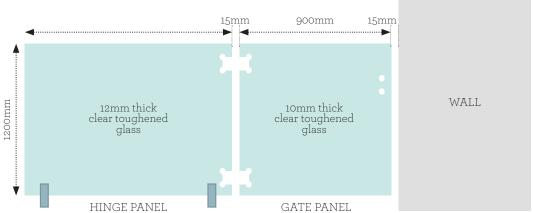
GLASS-TO-GLASS HINGES & GLASS-TO-GLASS LATCH

- Hinge panel available widths: 900/1100/1300/1450/1600mm
- Use a friction latch. Any size panel can be used as a latch panel



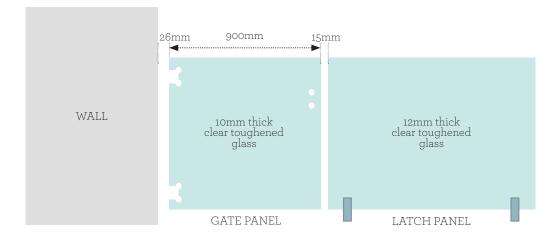
GLASS-TO-GLASS HINGES & WALL/POST GATE LATCH

Hinge panel available widths: 900/1100/1300/1450/1600mm



WALL/SQUARE POST GLASS HINGES & GLASS-TO-GLASS LATCH

• Use a friction latch. Any size panel can be used as a latch panel





The World's Leading Glass Treatment

ULTIMATE PROTECTION

Optically clear, UV stable, chemical resistant, water and oil repellent.

LOW SERVICING COSTS

EnduroShield keeps glass visibly clearer for longer and reduces time to clean the glass by 90%.

HIGHLY DURABLE

Permanently bonds to the glass and comes with a true 10 year performance warranty*

SUITS ALL GLASS RANGES

From balustrading to pool fencing, high rise and domestic glazing, shower screens and insulated glass units, EnduroShield is the smart choice for glass.

Silicone based coating

Competitor products fill in hills & valleys of the glass.



EnduroShield Coating

EnduroShield follows hills & valleys of the glass.



Silicone based seals sit on top of the glass surface and can quickly wear off, leaving the surface unprotected. EnduroShield follows the hills and valleys of the glass, forming a strong, permanent* bond that does not flake or peel.

TESTING AND CERTIFICATION

*EnduroShield's performance has been independently tested by one of the leading global testing and certification houses, TÜV Rhineland in Germany for durability, easy-clean functionality, safety and quality. Testing was carried out to simulate a lifetime of 10 years on glass for both interior and exterior use, and EnduroShield passed all tests.



FRAMELESS GLASS FENCING & BALUSTRADE / FRAMELESS GLASS FENCING PANELS

FRAMELESS GLASS FENCING PANELS



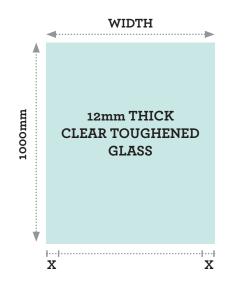


Order Code	Width	Height	Distance from Edge to Spigot (X)	Thickness	Sqm	Glass Weight KGS	Corner Radius
SCE0312PP	300mm	1200mm	75mm	12mm	0.36	11kg	2mm
SCE0412PP	400mm	1200mm	75mm	12mm	0.48	14kg	2mm
SCE0512PP	500mm	1200mm	100mm	12mm	0.60	18kg	2mm
SCE0612PP	600mm	1200mm	100mm	12mm	0.72	22kg	2mm
SCE0712PP	700mm	1200mm	100mm	12mm	0.84	25kg	2mm
SCE0812PP	800mm	1200mm	150mm	12mm	0.96	29kg	2mm
SCE08512PP	850mm	1200mm	150mm	12mm	1.02	30.6kg	2mm
SCE0912PP	900mm	1200mm	150mm	12mm	1.08	32kg	2mm
SCE09512PP	950mm	1200mm	150mm	12mm	1.14	34.2kg	2mm
SCE1012PP	1000mm	1200mm	150mm	12mm	1.20	36kg	2mm
SCE10512PP	1050mm	1200mm	150mm	12mm	1.26	37kg	2mm
SCE1112PP	1100mm	1200mm	150mm	12mm	1.32	38kg	2mm
SCE11512PP	1150mm	1200mm	150mm	12mm	1.38	41kg	2mm
SCE1212PP	1200mm	1200mm	150mm	12mm	1.44	43kg	2mm
SCE12512PP	1250mm	1200mm	200mm	12mm	1.50	45kg	2mm
SCE1312PP	1300mm	1200mm	200mm	12mm	1.56	47kg	2mm
SCE13512PP	1350mm	1200mm	200mm	12mm	1.62	49kg	2mm
SCE1412PP	1400mm	1200mm	250mm	12mm	1.68	50kg	2mm
SCE14512PP	1450mm	1200mm	250mm	12mm	1.74	53kg	2mm
SCE1512PP	1500mm	1200mm	250mm	12mm	1.80	54kg	2mm
SCE15512PP	1550mm	1200mm	250mm	12mm	1.86	56kg	2mm
SCE1612PP	1600mm	1200mm	250mm	12mm	1.92	58kg	2mm



FRAMELESS GLASS FENCING & BALUSTRADE / FRAMELESS GLASS BALUSTRADE PANELS

FRAMELESS GLASS BALUSTRADE PANELS





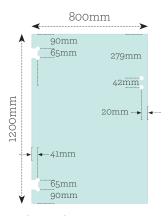
Order Code	Width	Height	Distance from Edge to Spigot (X)	Thickness	Sqm	Glass Weight KGS	Corner Radius
SCE0610BP	600mm	1000mm	100mm	12mm	0.60	18kg	2mm
SCE0710BP	700mm	1000mm	100mm	12mm	0.70	21kg	2mm
SCE0810BP	800mm	1000mm	150mm	12mm	0.80	24kg	2mm
SCE08510BP	850mm	1000mm	150mm	12mm	0.85	25.5kg	2mm
SCE0910BP	900mm	1000mm	150mm	12mm	0.90	27kg	2mm
SCE09510BP	950mm	1000mm	150mm	12mm	0.95	28.5kg	2mm
SCE1010BP	1000mm	1000mm	150mm	12mm	1.00	30kg	2mm
SCE10510BP	1050mm	1000mm	150mm	12mm	1.05	31.5kg	2mm
SCE1110BP	1100mm	1000mm	150mm	12mm	1.10	33kg	2mm
SCE11510BP	1150mm	1000mm	150mm	12mm	1.15	34.5kg	2mm
SCE1210BP	1200mm	1000mm	150mm	12mm	1.2	36kg	2mm
SCE12510BP	1250mm	1000mm	200mm	12mm	1.25	37.5kg	2mm
SCE1310BP	1300mm	1000mm	200mm	12mm	1.3	39kg	2mm
SCE13510BP	1350mm	1000mm	200mm	12mm	1.35	40.5kg	2mm
SCE1410BP	1400mm	1000mm	250mm	12mm	1.4	42kg	2mm
SCE14510BP	1450mm	1000mm	250mm	12mm	1.45	43.5kg	2mm
SCE1510BP	1500mm	1000mm	250mm	12mm	1.5	45kg	2mm
SCE15510BP	1550mm	1000mm	250mm	12mm	1.55	46.5kg	2mm
SCE1610BP	1600mm	1000mm	250mm	12mm	1.6	48kg	2mm



RAMELESS GLASS GATE & HINGE PANELS

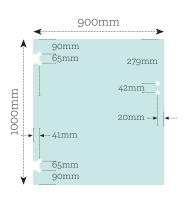
BELAIRE GATE PANELS

- · 8 & 10mm thick clear toughened glass
- · Corner radius: 2mm
- · 10mm supplied as standard

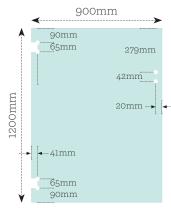


Order Code: SCE0812GP PH Glass weight: 19.9kg

900mm



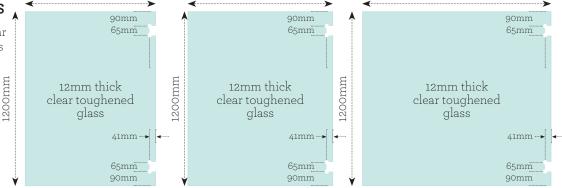
Order Code: SCE0910GP PH Glass weight: 21.6kg



Order Code: SCE0912GP PH Glass weight: 28kg

BELAIRE HINGE PANELS

- · 12mm thick clear toughened glass
- · Corner radius: 2mm



1100mm

Glass weight: 32.4kg

Order Code: SCE0912HP PH Order Code: SCE1112HP PH Glass weight: 18kg

Order Code: SCE1312HP PH Glass weight: 46.8kg

1300mm





Order Code: SCE14512HP PH Glass weight: 52.2kg



Order Code: SCE1612HP PH Glass weight: 58kg



Wind Zones

Wind regions for BelAire spigots to suit occupancy A,B, E, and C3

NZS 3604 divides New Zealand into two wind regions (A and W) and several lee zone areas – these are areas where the landforms create localised wind acceleration resulting in higher wind speeds than the rest of the region. It also classifies wind zones into categories, set out in the following table, according to maximum ultimate limit state speeds. Wind zone classifications (from NZS 3604 Timber framed buildings)

Classification Maximum ultimate limit state speed					
Low	Below 32 m/s				
Medium	37 m/s				
High	44 m/s				
Very high	50 m/s				
Extra high	55 m/s				
Specific design (SD)	Over 55 m/s				

Pool Fencing - Max Panel Size & Spigot Quantity

Min 1200mm High

	Tekapo	Milford	Kaweka	Aoraki	Rakaia Channel
Up to Very High Wind Regions	1600W x 1200H (2 Spigots)	1600W x 1200H (2 Spigots)	1600W x 1200H (2 Spigots)	1500W x 1200H (2 Spigots)	1600W x 1350H
Extra High Wind Regions	1350W x 1200H (2 Spigots) 1600W x 1200H (3 Spigots)	1600W x 1350H			

Balustrade With Handrail - Max Panel Size & Spigot Quantity

Min 1000mm High

	Tekapo	Milford	Kaweka	Aoraki	Rakaia Channel
Up to Very High Wind Regions	1400W x 1200H (2 Spigots)	1400W x 1200H (2 Spigots)	1400W x 1200H (2 Spigots)	1300W x 1200H (2 Spigots)	1600W x 1350H
Extra High Wind Regions	1600W x 1000H (2 Spigots) 1600W x 1200H (3 Spigots)	1600W x 1350H			

FRICTION SPIGOT RANGE

- Contemporary square shape with minimal visible fixings
- Slim profile with tapered top to comply with "no foot hold" requirements
- Recessed friction plate for neat finish
- · Base plate spigots have countersunk holes to enable flush fitting Marine Grade Stainless Steel Fixings
- Made from **Duplex 2205 stainless steel** a superior duplex stainless steel, featuring elevated levels of chemical compounds that enable superior strength and corrosion/pitting resistance. Commonly used in harsh marine environments.



Tekapo Square Mini Post Stainless 2205



Kaweka Side Mount Stainless Spigot 2205



Milford Oval Mini Post Stainless 2205



Aoraki Face Mount Stainless 2205 Spigot

FIXINGS FOR ALL SPIGOTS

Timber Fixings:

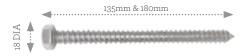
140mm



Countersunk Timber Screw 140mm Long

Stainless Steel 316 (Hex head drive) Order Code: SCETCSK

- Self tapping 140mm length with M8 diameter screw
- Ideal for fixing Tekapo spigots onto a timber deck



M12 Coachscrew Timber Screw 135mm & 180mm Long

Stainless Steel 316 (Hex head drive)

135mm Order Code: SCETHX (for Kaweka spigots) 180mm Order Code: SCETHX180 (for Milford spigots)

- Self tapping 135mm length with M12 diameter screw
- Ideal for fixing spigots onto a timber deck

Glass Suction Cups:



Suction Lifter For Glass - Single Cup Truper

Order Code: SCEGSLS

- · Maximum load capacity 40kg
- · Rubber cup ideal for handling glass plates

Concrete Fixings:

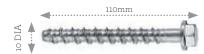


M8 Countersunk Concrete Screw ANCHOR 95mm Long

Stainless Steel 316 (Torx head drive)

Order Code: SCECCSA

- Self tapping 95mm length with 10mm outer; M8 diameter screw
- · Ideal for fixing Tekapo spigots and Rakaia channel into concrete
- · Pre-assembled for optimum handling and fastening quality



M12 Concrete Screw Anchor 110mm Long

Stainless Steel 316 (Hex head drive)

Order Code: SCECHSA

- · Self tapping 110mm length with 14mm outer; M12 diameter screw
- · Ideal for fixing Milford and Kaweka spigots onto a concrete
- · Pre-assembled for optimum handling and fastening quality



Threaded rod

Stainless Steel 316 (Hex head drive) M10 Order Code: SCETHR10 (for Rakaia Channel)

M12 Order Code: SCETHR12

(for Milford, Kaweka and Aoraki Spigots)

- Ideal for fixing to patios and decks made of concrete and timber
- We also supply chemset for concrete applications ask our sales team for more info





TEKAPO BASE PLATE SPIGOT

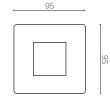
Duplex 2205 Stainless Steel

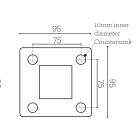


Polish Finish Black Finish

BASE PLATED Spigot - FRICTION FIT Polish Finish Order Code: SCEPSSP Black Finish Order Code: SCEPSSP B Satin Finish Order Code: SCEPPSP



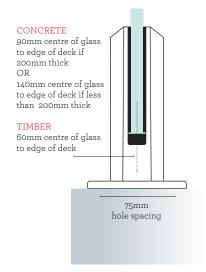


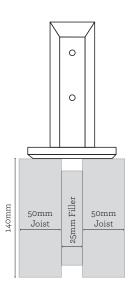


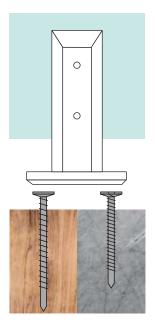
60

DECK LAYOUT

These measurements are to be taken off each external corner of the deck to get the correct dimensions to work out the glass panels.







CONCRETE

SCECCSA M8 Concrete Screw anchor

SCETHR8

Threaded rod and barrel nut with chernset

TIMBER

SCETCSK Timber CSK screw

^{*}Spigots only, not gate hardware. **1yr Warranty on powder-coated black spigots.

KAWEKA SIDE MOUNT SPIGOT

Duplex 2205 Stainless Steel





Side Mount Bracket - FRICTION Polish Finish Order Code: SCESMS Black Finish Order Code: SCESMS B

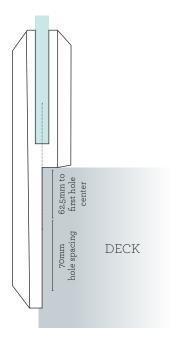
DULUX COLOURS* 65 50 Finished floor level 160 70

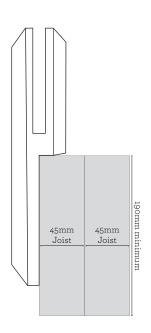
ALL SPIGOTS ARE

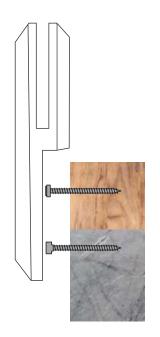
NOW AVAILABLE **POWDER-COATED** IN A RANGE OF

DECK LAYOUT

The glass sits flush with the outside of the deck, so use the dimensions of the deck to work out the glass panels.







CONCRETE

SCECHSA M12 Concrete screw

TIMBER

SCETHX Timber CSK screw

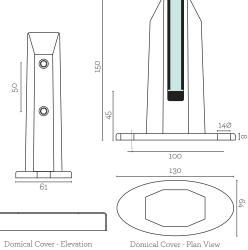




Duplex 2205 Stainless Steel



BASE PLATE Spigot - FRICTION FIT Polish Finish Order Code: SCEPSOP Black Finish Order Code: SCEPSOP B







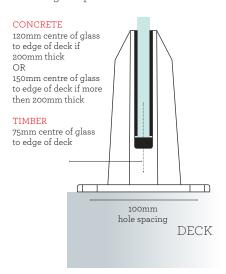
COVER PLATE Polish, Satin or Black Finish (Comes with the base plated spigot)

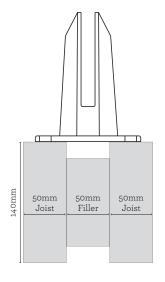
Polish Finish

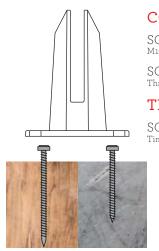
Black Finish

DECK LAYOUT

These measurements are to be taken off each external corner of the deck to get the correct dimensions to work out the glass panels.







CONCRETE

SCECHSA M12 Concrete Screw

SCETHR12 Threaded rod and chernset

TIMBER

SCETHX180 Timber hex screw

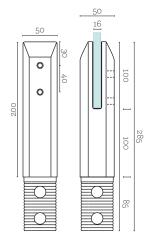
TEKAPO CORE DRILL SPIGOT

Duplex 2205 Stainless Steel



CORE DRILL Spigot - FRICTION FIT Polish Finish Order Code: SCECDS Black Finish Order Code: SCECDS B

COVER PLATE Polish or Black Finish (Comes with the core drill spigot)



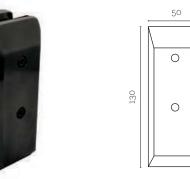
Polish Finish

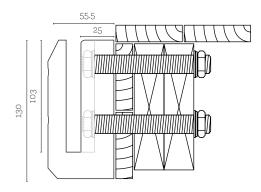
Black Finish

AORAKI FACE MOUNT SPIGOT

Polish Finish Duplex 2205 Stainless Steel







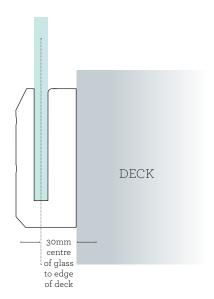
FACE MOUNTED Spigot - FRICTION FIT Polish Finish Order Code: SCEFMS Black Finish Order Code: SCEFMS B

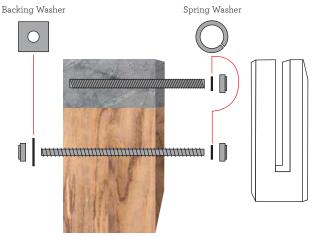
SIDE MOUNT ADVANTAGES

- · Made from stainless steel 2205
- · Convenient alternative to standoffs
- Friction fitting side mount clamp
- Square shape with minimal visible fixings
- · No holes in glass required
- Suits 12mm glass
- · Quick and easy install

DECK LAYOUT

External deck measurements need 30mm added to each corner of the deck to get the correct dimensions to work out the glass panels.





CONCRETE

2 x 12mm SS Threaded rod secured with Chemset, Washers and Nuts

TIMBER

2 x 12mm SS Threaded rod secured with Washers and Nuts

If these fixings methods shown here are not viable for your application please contact BelAire Fencing for further instructions.



RAKAIA FRICTION CHANNEL SYSTEM

The all new Rakaia side mounted friction fitting glass channel system has been designed for the most simple installation method in mind, it also meets and surpasses all compliance that is required for New Zealand regulations.

Its durability is outstanding, having been tested in our own testing facility we were sure blown away at the strength that this system serves.

Our durable channel systems provide a modest and continuous design for pool fencing and balustrading.

INFINITY LOOK

Very sleek, infinity edge look where you will see no fixings making the channel look like a flashing.

The Channel is made up of a total of a total of 5 different extrusions plus the fixings. The main extrusion which is the channel is formed from a High Tensile Aluminium 6061-T-6

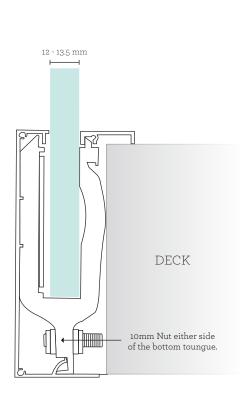
The cover plates are powdercoated to any colour you choose out of the Dulux powdercoated system.

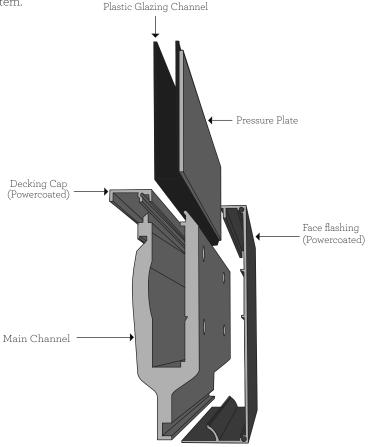
OCCUPANCY TYPE

Suitable for occupancy types A, B, E and C3 Occupancy types as per AS/NZ 1170.1.2002

WIND REGIONS

Suitable for up to Extra High and SED Wind zones.





DECK LAYOUTS

TIMBER

SCETCSK Timber CSK screw for the top fixing.

SCELAG140

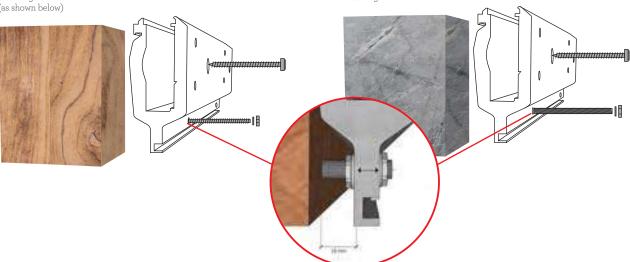
Timber LAG Screw for the bottom fixing.
Along with 2 x M10
Nuts to go either side of the bottom Fin
(as shown below)

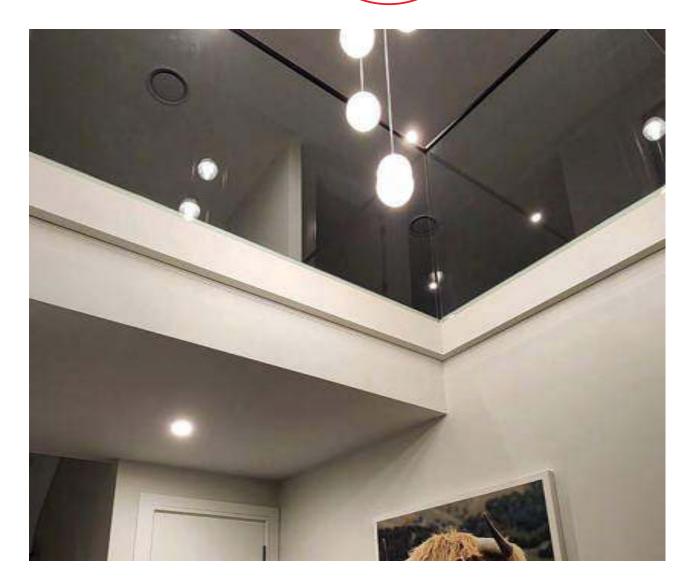


SCECCSA
For the top fixing M8 Countersunk concrete screw

SCETHR10

Threaded rod and 2 x M10 nuts for the bottom fixing. Nuts to go either side of the bottom fin.





GATE HARDWARE: LATCHES & HINGES

BelAire offers a 24 month warranty from the moment of purchase on Gate Hardware (Hinges and Latch)

GLASS-TO-GLASS LATCH KIT

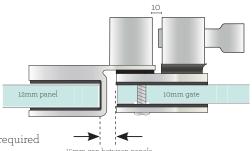
Polish finish Duplex 2205 Stainless Steel



Order Code: SCEHPGL

SPECIFICATION

- Full stainless steel side pull latch; Duplex 2205 stainless steel
- Friction latch for glass to glass 180 degree application
- Suits 8mm and 10mm glass gates
- Latch panel must be 12mm thick No latch holes required
- · Available in polish finish only



GLASS-TO-WALL/ SQUARE POST LATCH KIT

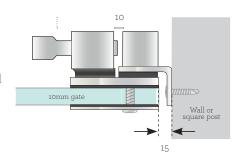
Polish finish Duplex 2205 Stainless Steel



Order Code: SCEHPGWL

SPECIFICATION

- · Full stainless steel side pull latch; 2205 stainless steel
- Suitable for application to wall or square posts
- Suits 8mm and 10mm glass gates
- · Available in polish finish only



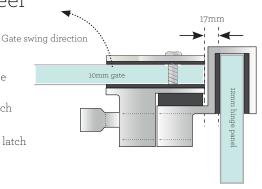
GLASS-TO-GLASS 90° LATCH KIT (external fit)

Polish finish Duplex 2205 Stainless Steel



Order Code: SCEHPGL90EX

- Side pull latch glass gate to 90 degree latch panel external fit
- · Stainless steel backing plates and latch
- Suits 8mm and 10mm glass gates
- Latch panel must be 12mm thick no latch holes required



GLASS-TO-GLASS LATCH KIT

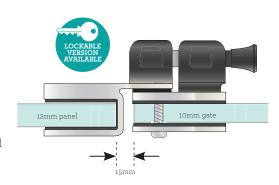
316 Stainless Steel & Polymer



Polish Finish Order Code: SCEGL Black Finish Order Code: SCEGL B Satin Finish Order Code: SCEGL S

SPECIFICATION

- · Side pull latch
- Friction latch for glass to glass 180 degree application
- Stainless steel backing plates + D&D side pull polymer latch
- · Suits 8mm and 10mm glass gate
- · Latch panel must be 12mm thick no latch holes required
- · Available in polish finish backing plates



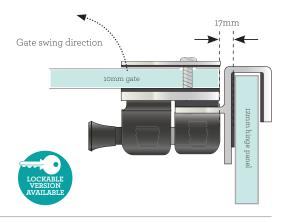
GLASS-TO-GLASS 90° LATCH KIT (external fit) 316 Stainless Steel & Polymer



Polish Finish Order Code: SCEGL90EX Black Finish Order Code: SCEGL90EX B Satin Finish Order Code: SCEGL90EX S

SPECIFICATION

- Side pull latch glass gate to 90 degree latch panel external fit
- Stainless steel backing plates + D&D side pull polymer latch
- · Suits 8mm and 10mm glass gates
- Latch panel must be 12mm thick no latch holes required

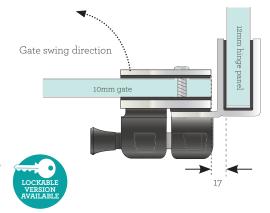


GLASS-TO-GLASS 90° LATCH KIT (internal fit) 316 Stainless Steel & Polymer



Polish Finish Order Code: SCEGL90IN Black Finish Order Code: SCEGL90IN B Satin Finish Order Code: SCEGL90IN S

- · Side pull latch
- Glass gate to wall/square post application
- Stainless steel backing plates + D&D side pull polymer latch
- Suits 8mm and 10mm glass gates
- · Available in satin or polish finish backing plate
- · Suits 'internal 90 degree' configuration







GLASS-TO-WALL/ SQUARE POST LATCH KIT

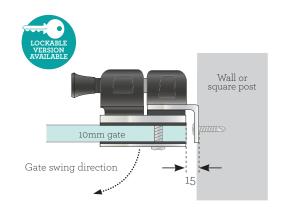
316 Stainless Steel & Polymer



Polish Finish Order Code: SCEGWL Black Finish Order Code: SCEGWL B Satin Finish Order Code: SCEGWL S

SPECIFICATION

- Side pull latch glass gate to go degree latch panel internal fit pull polymer latch
- · Stainless steel backing plates + D&D side
- Suits 8mm and 10mm glass gates
- Latch panel must be 12mm thick no latch holes required
- Available in polish finish backing plate



POLARIS SOFT CLOSING GLASS-TO-GLASS HINGE

125 Series Pool Hinge



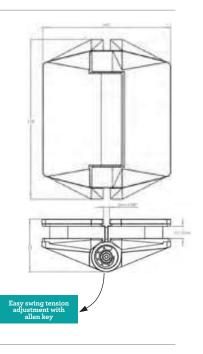
Polish Finish Order Code: SCEPHGG



Black Finish Order Code: SCEPHGG B

SPECIFICATION

- 2205 grade stainless steel
- Self closing pool fence compliant safety hinge
- Suits 10 or 12mm thick glass gates (max 45kg)
- · Polish or matt black finish
- · Sleek new look
- Revolutionary anti-drop gate packing system which lowers the chance of the gate dropping.



GLASS-TO-WALL/SQ. POST HINGES (set of 2) Polish finish Duplex 2205 Stainless Steel



Polish Finish

Order Code: SCEHPGWHSN

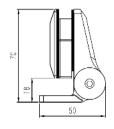
Black Finish

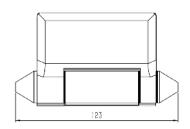
Order Code: SCEHPGWHS B

Satin Finish

Order Code: SCEHPGWHS S

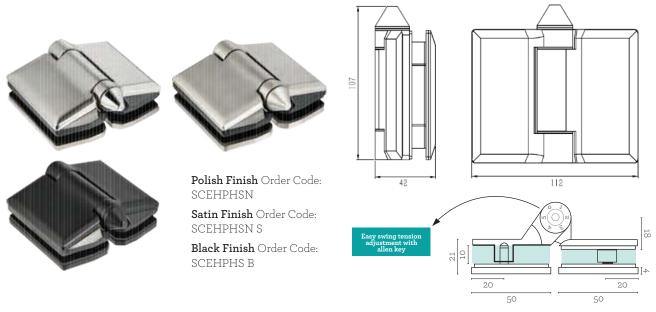
- Glass gate to wall or square post application
- Suits 8 and 10mm glass gates
- Stainless steel Duplex 2205
- Available in polish or satin finish
- Cone cap incorporated to prevent 'toe hold'





GLASS-TO-GLASS HINGES (set of 2)

Duplex 2205 Stainless Steel



SPECIFICATION

- · Glass gate to glass hinge panel
- Stainless steel Duplex 2205
- Suits 8 and 10mm glass gates
- · Available in polish finish
- · Cone cap incorporated to prevent 'toe hold'
- Includes solid stainless 2205 backing plates for a premium finish

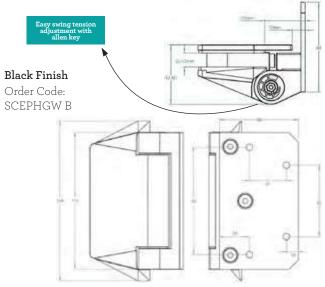
POLARIS 125 SERIES GLASS-TO-WALL HINGES (set of 2)

Duplex 2205 Stainless Steel



Polish Finish Order Code: SCEPHGW





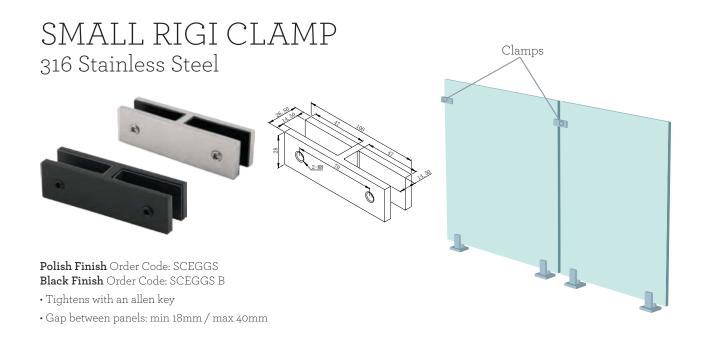
- 2205 grade stainless steel
- · Self closing pool fence compliant safety hinge
- Suits 10 or 12mm thick glass gates (max 45kg)
- Polish or Matt Black finish

- · Sleek new look
- Revolutionary Anti-Drop Gate Packing system which lowers the chance of the gate dropping.



CLAMPS & HANDRAILS

- Contemporary rigidity brackets that are "friction fit" the glass panels do not require pre-drilled holes.
- All are suitable for 12mm glass.



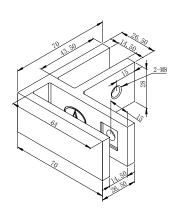


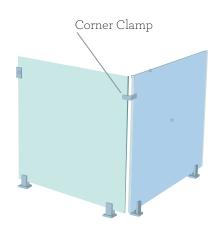
90° RIGI CLAMP

316 Stainless Steel



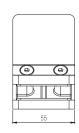
Polish Finish Order Code: SCEGG90 Black Finish Order Code: SCEGG90 B

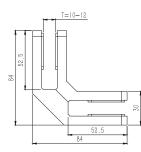


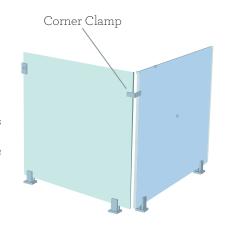


90° HEAVY DUTY CORNER CLAMP 316 Stainless Steel









Polish Finish Order Code: SCEGG90HD Black Finish Order Code: SCEGG90HD B

WALL RIGI CLAMP

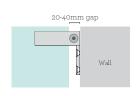
316 Stainless Steel

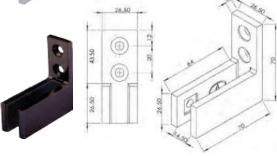
Polish Finish Order Code: SCEGWV (Vertical) SCEGWH (Horizontal)

- · Adjustable with allen key
- Counter sunk screw holes

Black Finish Order Code: SCEGWV B (Vertical) SCEGWH B (Horizontal)





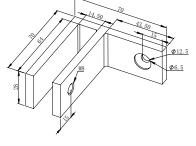














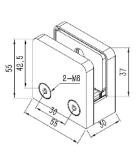
FRAMELESS GLASS FENCING & BALUSTRADE / CLAMPS & HANDRAILS

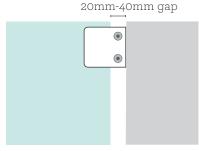
HEAVY DUTY WALL CLAMP

316 Stainless Steel









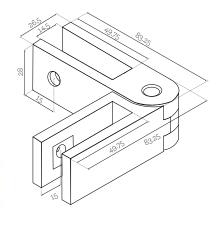
Polish Finish Order Code: SCEGWHD Black Finish Order Code: SCEGWHD B

- · Adjustable with allen key
- · Counter sunk screw holes

SWIVEL RIGI CLAMP

316 Stainless Steel





HANDRAIL – 5800mm x 25mm x 21mm 316 Stainless Steel

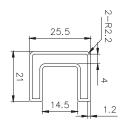


COMPLIANT WITH NZS4223:2016 and F4

Polish Finish Order Code: SCEHR5.8 OR 2.9 Black Finish Order Code: SCEHR5.8 OR 2.9 B

- Slimline stylish profile caps over 12mm thick glass
- 1.2mm wall thickness
- 14 x 14mm glazing pocket: silicone onto glass or use in conjunction with glazing rubber
- To be compliant with NZS4223:2016 Approved Balustrade Handrail

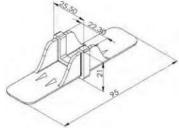


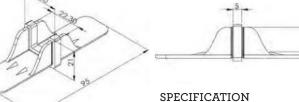


180° CONNECTOR - 25mm x 21mm

316 Stainless Steel







Polish Finish

Order Code: SCEHR180

Black Finish

- · In-line rail joiner
- Easy to use tap-in fitting: allows for increased speed of assembly
- Stainless Steel 316
- Order Code: SCEHR180 B Friction fitting or epoxy can be used

90° CONNECTOR – 25mm x 21mm

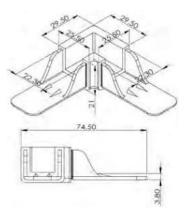
316 Stainless Steel



Polish Finish Order Code: SCEHR90 Black Finish Order Code: SCEHR90 B

SPECIFICATION

- · 90 degree corner joiner; easy to use tap-in fitting
- Stainless Steel 316
- Epoxy glue or drill/tap tube for joining strength



HANDRAIL SWIVEL VERTICAL CORNER JOINER LEFT AND RIGHT

316 Stainless Steel



Polish Finish

Order Code: SCEHRSCJL Black Finish

Order Code: SCEHRSCJL B

LEFT SPECIFICATION

- · Variable angle corner joiner
- · From straight rail, achieve up to 90 degrees left angle joining
- · Epoxy glue, weld or drill/top tube for joining strength



Polish Finish

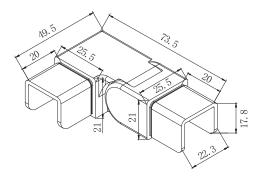
Order Code: SCEHRSCJR

Black Finish

Order Code: SCEHRSCJR B

RIGHT SPECIFICATION

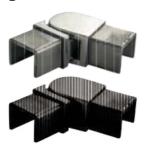
- · Variable angle corner joiner
- · From straight rail, achieve up to 90 degrees right angle joining
- · Epoxy glue, weld or drill/top tube for joining strength





SWIVEL HORIZONTAL CONNECTOR

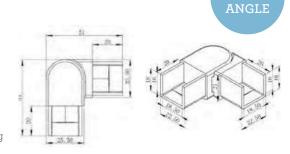
316 Stainless Steel



Polish Finish Order Code: SCEHRH Black Finish Order Code: SCEHRH B

SPECIFICATION

- · Variable angle horizontal joiner
- From straight rail, achieve up to 90 degrees left or right angle joining
- Epoxy glue or drill/top tube for joining strength



SWIVEL VERTICAL CONNECTOR

316 Stainless Steel



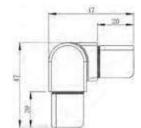
Polish Finish

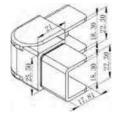
Order Code: SCEHRV Black Finish

Order Code: SCEHRV B

SPECIFICATION

- Variable angle vertical joiner
- From straight rail, achieve up to 45 degrees upwards and downwards
- Ideal for staircase installation





'ARIABLE

ANGLE

END CAP – 25mm x 21mm

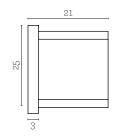
316 Stainless Steel



Polish Finish Order Code: SCEHREC Black Finish Order Code: SCEHRECB

SPECIFICATION

- · End cap; easy to use tap-in fitting
- · Stainless Steel 316
- · Epoxy glue or drill/tap tube for joining strength



WALL PLATE - 25mm x 21mm

316 Stainless Steel





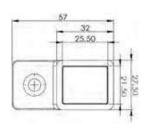
Polish Finish Order Code: SCEHRWC (Vertical) SCEHRWCH (Horizontal)

Black Finish Order Code: SCEHRWC B (Vertical) SCEHRWCH B (Horizontal)

- · Bracket can be affixed to wall/post
- 25 x 21mm tube fits into opening (female fit)
- · Stainless Steel 316
- Grub Screw for joining strength



Vertical



Horizontal

Install With Ocean Views

A recent BelAire glass fencing installation! Hawke's Bay's Ocean Beach sitting beneath this crows nest makes another picturesque location for a Scenic glass pool fencing job, leaving the view uninterrupted...

Project Specifications:

12mm Toughened Enduroshield Glass Fencing 1200mm high to meet all required council F9 specifications all provided with a PS1

Polished Core Drill Stainless 2205 Spigots & Soft closing Hinges

38 meters installed into concrete by core drilling









FRAMELESS GLASS FENCING & BALUSTRADE / RESIDENTIAL PROJECTS

Kumeū Glass Pool Fencing

This customer wanted to enclose his pool area without sacrificing their beautiful landscape view, with a combination of top mounted Tekapo and side mounted Kaweka spigots, the results were more than pleasing.

Project Specifications:

Toughened Enduroshield Glass Fencing This project consisted of multiple sizes of glass panels

Combination of top mounted stainless Tekapo spigots and side mounted stainless Kaweka spigot "Fantastic company to buy fencing products from. Very knowledgeable and helpful team. Top quality glass with no distortion, superior fixing system and superb customer experience from start to finish."

John







Enfield Drive

With such an amazing view there was no question why we installed the BelAire glass fencing system. This job only took two days to install and resulted in high strength glass fencing with core drill spigots and a clear, uninterrupted view of Hawke's Bay.

Project Specifications:

12mm Toughened Enduroshield Glass Fencing

1200mm high to be pool compliant, with some custom panels beside stepped areas

Polished Core Drill Stainless 2205 Spigots & Soft Closing Hinges

38 meters installed into concrete by core drilling

Specified By

South Pacific Landscaping









David Reid Homes

How could you install anything other than the BelAire glass fence with these amazing views and the sun setting in the west. As this site was in an Extra High wind zone, we used 3 Spigots per panel and consists of A Grade toughened panels to perform against the elements.

Project Specifications:

12mm Toughened Enduroshield Glass Fencing 1200mm high to be pool compliant to NZ compliance F9

Polished Top Mounted Tekapo Stainless 2205 Spigots & Soft Closing Hinges 52 meters installed into composite decking

Specified ByDavid Reid Homes







Blenheim Balustrade Install

A Blenheim client approached BelAire Designer Fencing for a balustrading solution for his outdoor decking and pool area, not wanting to obstruct his amazing view. Our frameless glass balustrade system provided functionality and safety that complimented the aesthetics of our client's house.

Project Specifications:

12mm Toughened Enduroshield Glass Fencing Combination of 1200mm high and 1000mm high

Tekapo Base Mounted Spigot 105 meters installed into timber decking "I was really impressed with how easy BelAire made the whole process. The computerised layout and plan of what was required made it so easy. Great to get a reliable quote and then easy delivery and after care service."

Anonymous Client









Coromandel Glass Install

This stunning glass fencing job combines the purpose of glass balustrade fencing with glass pool fencing. This allows the customer to admire the beautiful Coromandel farmland while optimising the safety of their outdoor entertaining area.

Project Specifications:

12mm Toughened Enduroshield Glass Fencing 1200mm high to be pool compliant to NZ compliance F9

Polished Top Mounted Tekapo Stainless 2205 Spigots and Soft closing hinges 51 meters installed into timber decking

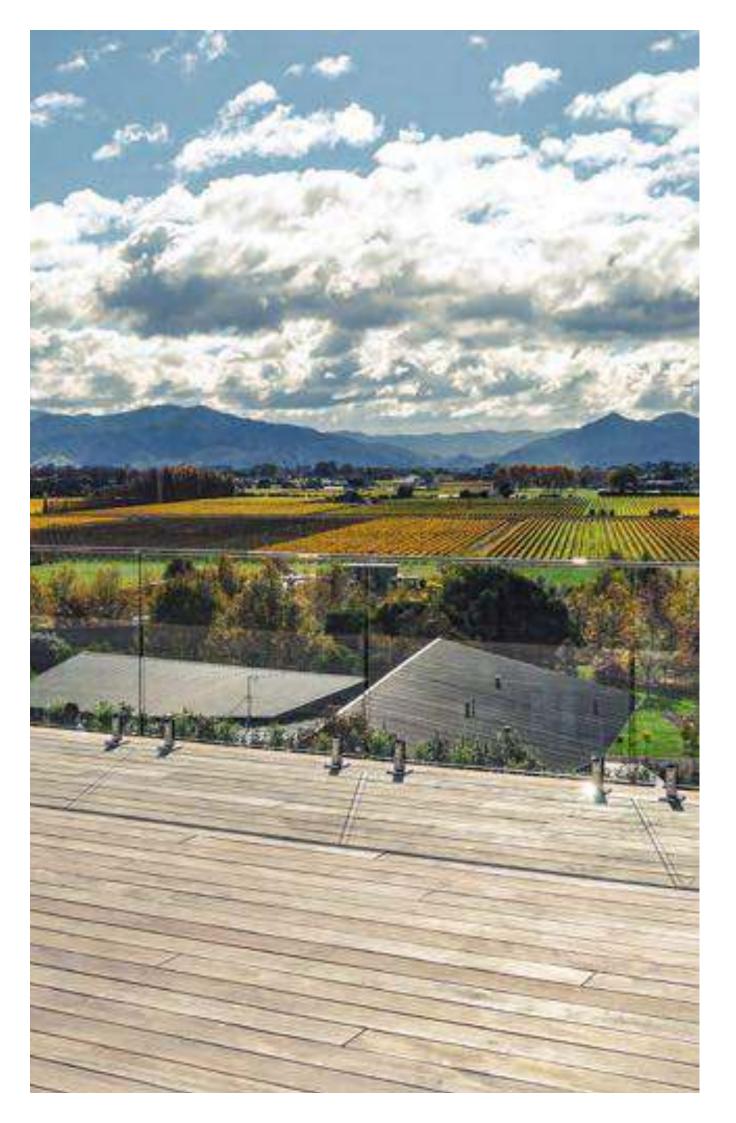
Specified by

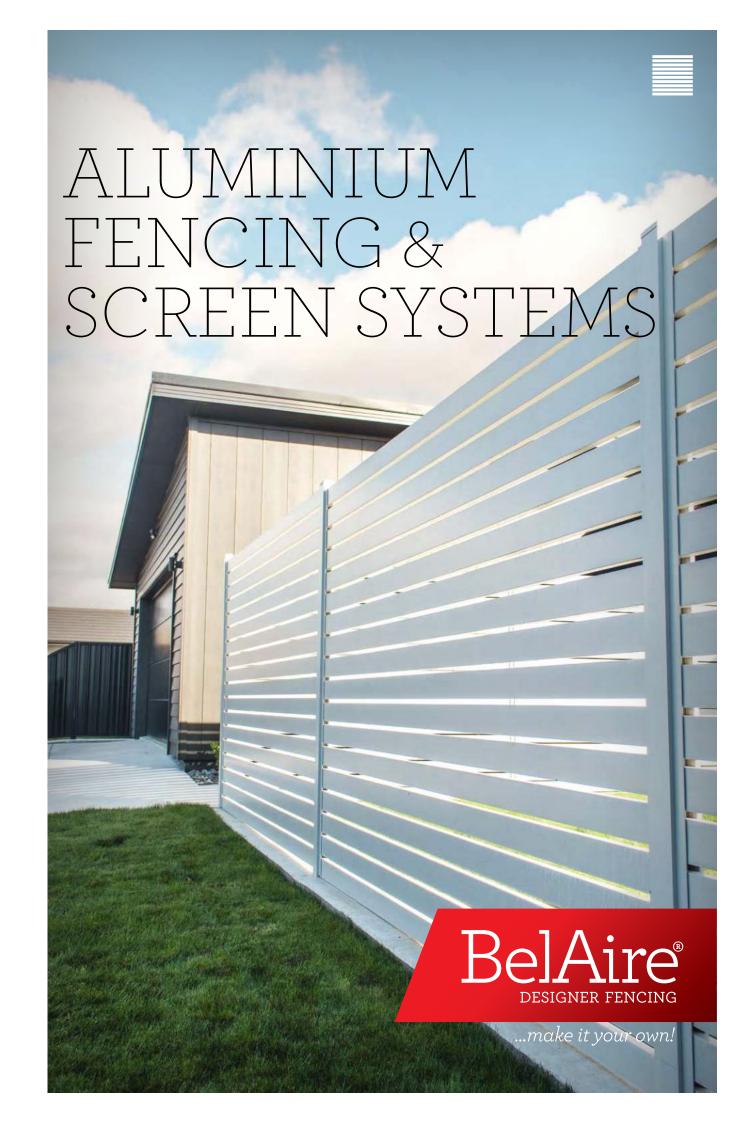
Customer chosen direct with BelAire Fencing













...make it your own!

ALUMINIUM FENCING & SCREEN SYSTEMS

COST-EFFECTIVE

BelAire slat and louvre fencing is a great cost-effective option where a degree of privacy and security is required.

BUILT TO LAST

Our powder-coated aluminium posts, channels and slats are very light, structurally very strong, and are supplied to you in a colour (or combination of colours) of your choice.

It is important to note that our fencing, with 25mm wide slats, is superior in strength to some inferior fencing with 15mm wide slats.

EASY INSTALLATION

Our slat and louvre fencing is designed to be assembled with ease. The posts can be concreted into post holes, or attached to existing walls or posts. BelAire slat fencing panels can be easily handled by two people, making them perfect for 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



Why Choose BelAire Slat Fencing?

See below our strength test of the BelAire 85×25 mm slat. What super strength was proven in this test when we loaded 69.3kgs onto the 85×25 mm slat spanning 2400mm. The 65×16 mm slat took a mere 30kgs before it crumpled to the ground. As you can see in the images below, the BelAire slat had a bow that was comparable to that of the 65mm slat even though it was only carrying 25.2kg.

KEY FEATURES

- No Twisting, warping, rotting
- Looks the same as the day it was installed for many years
- Already finished to a colour of your choice
- Simple install
- Customizable and versatile to suit any landscape

- Horizontal or vertical options
- Lightweight but very durable
- · Low maintenance
- · Modern sleek look
- Adjustable gaps to suit your privacy needs

BELAIRE SLAT VS TRADITIONAL 65 X 16MM SLAT





fortzon'i'al SLATFENCING

Post dimensions: 60 x 60mm or 90 x 90mm, 2mm BMT

Slat thickness: 25mm

Suitable for fence heights: 900mm - 2400mm

Post centres: 2400mm, 2700mm, 3000mm

BelAire slat fencing is fully customisable. If there's a particular size or configuration you require, call us on 0800 235 2473 and we'll custom-make a fence just for you.

POWDER-COAT COLOURS









Gull Grey Slate Grey Grey Friars









Ebony

STANDARD COLOUR RANGE FOR 85mm SLATS (BEST PRICES)

You can choose the same colour for your posts, channels and slats, or any combination you wish!

We can also powdercoat the slats to any of the colours in the Dulux powdercoating chart, found at: www.duluxpowdercoatings.co.nz

SLATS

Slat construction:

85 x 25mm (standard stocked size) 60 x 25mm (available on request) 1.6mm powder-coated aluminium

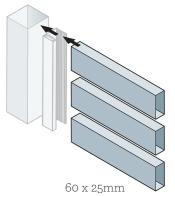
It is important to note that our fencing, with 25mm wide slats, is superior in strength to some inferior fencing with 16mm wide slats.

Available in two heights - 85mm is our standard stocked size, and 60mm slats are available on request . The two types of slats can be used exclusively, or combined in any way you choose. Both can also be used either horizontally or vertically.

2330mm (length) x 85mm (height) x 25mm (width) 2630mm (length) x 85mm (height) x 25mm (width) 2930mm (length) x 85mm (height) x 25mm (width)

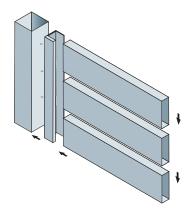
2330mm (length) x 60mm (height) x 25mm (width) 2630mm (length) x 60mm (height) x 25mm (width) 2930mm (length) x 60mm (height) x 25mm (width)

85 x 25mm



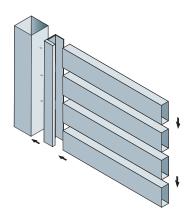




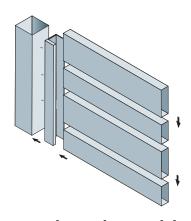


All 85mm horizontal slats

(Common Stocked Product in 7 colours)



All 60mm horizontal slats



85mm and 60mm horizontal slats

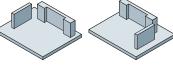


SLAT FENCING CHANNEL

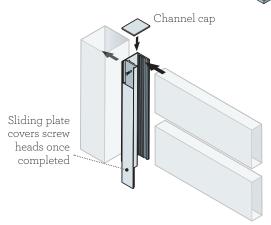


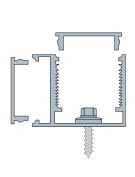
Powder-coated aluminium.

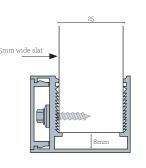
Channel: 39 x 32mm (includes sliding screw cover plate)



Left and right channel caps available in Gull Grey or Black







VERTICAL SLATFENCING

Post dimensions: 60 x 60mm or 90 x 90mm, 2mm BMT

Slat thickness: 25mm

Suitable for fence heights: 900mm - 2400mm

Post centres: 2400mm, 2700mm, 3000mm

BelAire slat fencing is fully customisable. If there's a particular size or configuration you require, call us on 0800 235 2473 and we'll custom-make a fence just for you.

OWDER-COAT COLOURS

















Gull Grey Slate Grey Grey Friars Ironsand Flax Ebony

------- STANDARD COLOUR RANGE FOR 85mm SLATS (BEST PRICES)

You can choose the same colour for your posts, channels and slats, or any combination you wish!

We can also powdercoat the slats to any of the colours in the Dulux powdercoating chart, found at: www.duluxpowdercoatings.co.nz

SLATS

Slat construction:

85 x 25mm (standard stocked size) 60 x 25mm (available on request)

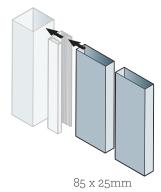
It is important to note that our fencing, with 25mm wide slats, is superior in strength to some inferior fencing with 16mm wide slats.

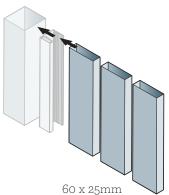
Available in two heights - 85mm is our standard stocked size, and 60mm slats are available on request. The two types of slats can be used exclusively, or combined in any way you choose. Both can also be used either horizontally or vertically.

2330mm (length) x 85mm (height) x 25mm (width) 2630mm (length) x 85mm (height) x 25mm (width) 2930mm (length) x 85mm (height) x 25mm (width)

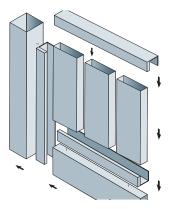
2330mm (length) x 60mm (height) x 25mm (width) 2630mm (length) x 60mm (height) x 25mm (width) 2930mm (length) x 60mm (height) x 25mm (width)

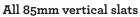
Refer to www.belairefencing.co.nz/aluminium-slat-fencing/ for Slat testing examples

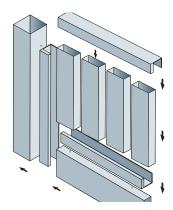




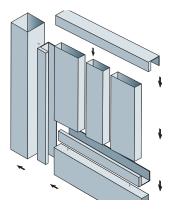




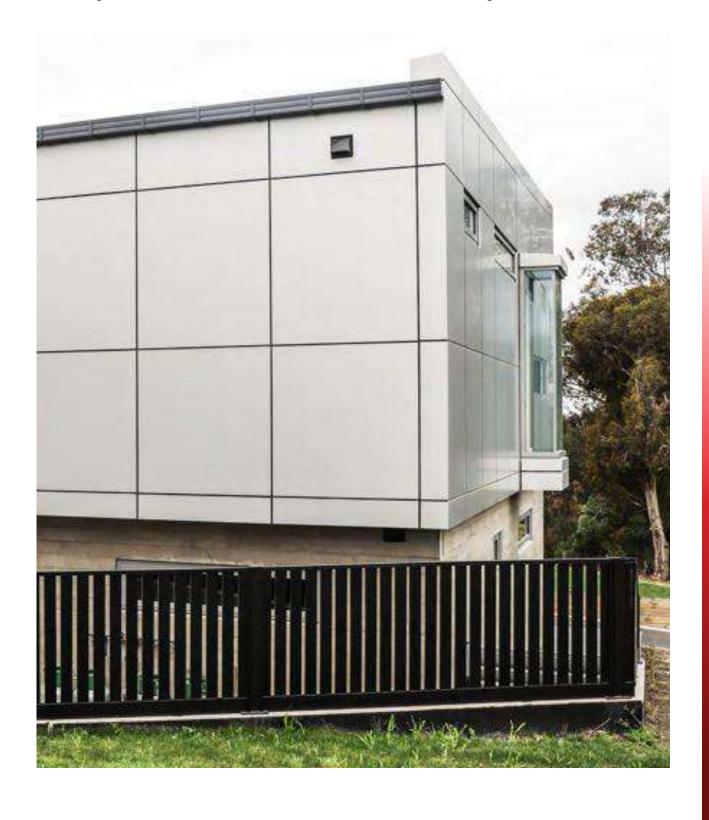




All 60mm vertical slats



85mm and 60mm vertical slats



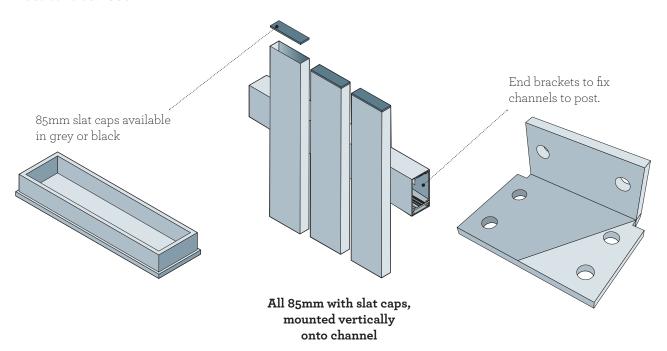
FACE FIXED VERTICAL SLAT FENCING

Post dimensions: 60 x 60mm or 90 x 90mm, 2mm BMT

Slat thickness: 25mm

Suitable for fence heights: 900 - 2400mm

Post centres: 1800mm





Commercial gas bottle storage area. – Grey Friars vertical face fixed slat option. 2000mm high with Flanged fixed 90x90mm posts.

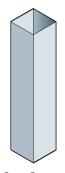


SLAT FENCING

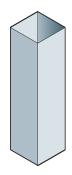
SLATS

Both slat and louvre fencing is supplied with 60mm x 60mm in-ground posts as standard.

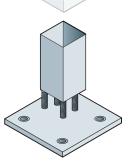
The following posts are available as options:



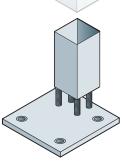
60 x 60mm in-ground post



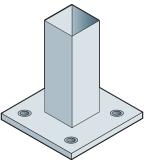
90 x 90mm in-ground post



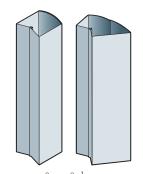
120 x 120mm flanged base (Base plate screwed onto post)



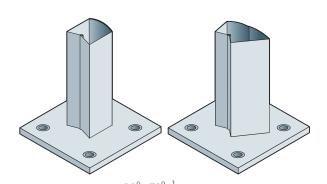
120 x 120mm offset flanged base (Base plate screwed onto post)



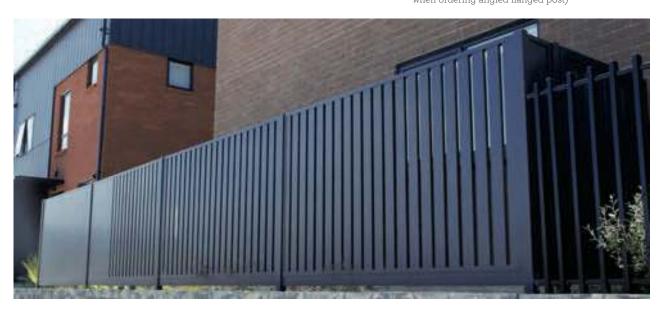
160 x 160mm welded flanged base



20° - 72° degree in-ground adjustable angle post



20° - 72° degree flanged adjustable angle base (Angle will need to be specified when ordering angled flanged post)



SOLID SLATS

Post dimensions: 60mm (deep) x 60mm (face) 2mm BMT

Slat thickness: $85 \times 25 \text{mm}$

Suitable for fence heights: 900mm - 2400mm

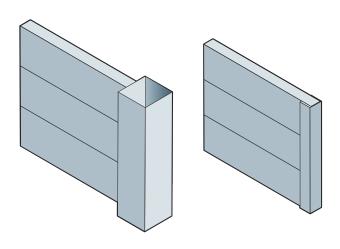
Post centres: 2400mm, 2700mm, 3000mm

BelAire butted Solid Slats are fully customisable. If there's a particular size or configuration you require, call us on 0800 235 2473 and we'll custom-make a fence just for you.

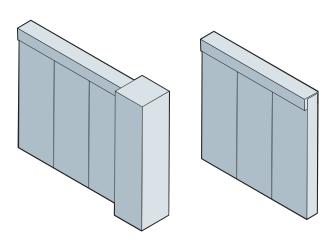
Construction:

Aluminium slats butted together (with no gaps in between) for a solid panel look.

Vertical & horizontal options available











ALUMINIUM FENCING & SCREEN SYSTEMS / MODULAR BIN AND UTILITY SCREENS - LOUVRE FENCING

MODULAR BIN AND UTILITY SCREENS

Great screens for hiding and securing those everyday around the house essentials that you don't want to been seen out in the open. Easy to install and available with flanged or inground posts in 7 different colour options.

Commonly used in medium and high density housing units. Custom designs available.







LOUVRE FENCING

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

3000mm (length) x 136mm (height) x 32mm (width) to suit 3000mm panels

BelAire louvre fencing
is fully customisable.
If there's a particular size or
configuration you require, call
us on 0800 235 2473
and we'll custom-make
a fence just for you.

You can choose the same colour for your posts, channels and slats, or any combination you wish!

We powdercoat the louvres to any of the colours in the Dulux powdercoating chart, found at: www.duluxpowdercoatings.co.nz

LOUVRE FENCE PANELS

Louvre fence height options:

350mm (3 louvres)

600mm (5 louvres)

900mm (8 louvres)

1200mm (10 louvres)

1500mm (13 louvres)

1800mm (15 louvres)









OBLIQUE FENCING

PRIVACY AND VERSATILITY

The beauty of BelAire oblique fencing lies in its ability to make your property completely private when viewed from one direction, whilst it allows you to see through it from another. Keep your kids safe in the garden, while keeping an eye on them from the house. It's so versatile – with three heights and eight configuration options you'll have every angle covered. And it can run along sloped boundary lines and uneven ground. (Check with us to see which configurations will best suit your requirements.)

With stunning architectural impact, BelAire oblique fencing will enhance your property and safeguard your family.

BUILT TO LAST

The powder-coated aluminium posts, channels and slats are very light, structurally very strong, and are supplied to you in classic Kiwi Dulux Flaxpod. BelAire oblique fencing can also be supplied in any Dulux powdercoat colour (or combination of colours) of your choice at additional cost.

EASY INSTALLATION

BelAire oblique fencing is designed to be assembled with ease. The posts are simply concreted into post holes while the lightweight aluminium slats are perfect for difficult-to-access areas such as back yards or annexed ground.

...make it your own!

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

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.

OBLIQUE FENCING

Post dimensions: 60mm (deep) x 60mm (face) 0.95 mm BMT

Oblique slat thickness: 25mm

Fence heights: 1200mm, 1500mm, 1800mm

Post centres: 1800mm, 2400mm

BelAire oblique fencing
is fully customisable.
If there's a particular size or
configuration you require,
call us on 0800 235 2473 and we'll
custom-make a fence just for you.







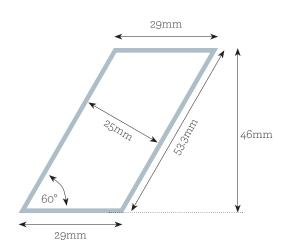
BelAire oblique fencing posts, channels and slats are supplied in powdercoated Dulux Flaxpod. They can also be supplied in any Dulux powdercoat colour of your choice at additional cost. The Dulux powdercoating chart can be found at: www.duluxpowdercoatings.co.nz

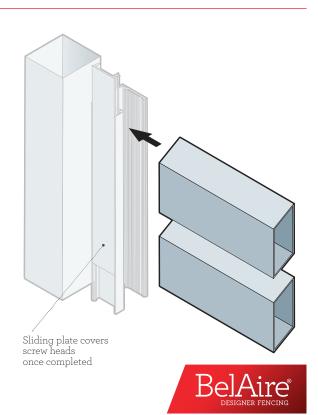
You can choose the same colour for your posts, channels and oblique slats, or any combination you wish!

OBLIQUE SLATS

Oblique slat construction:

1.2mm powder-coated aluminium.



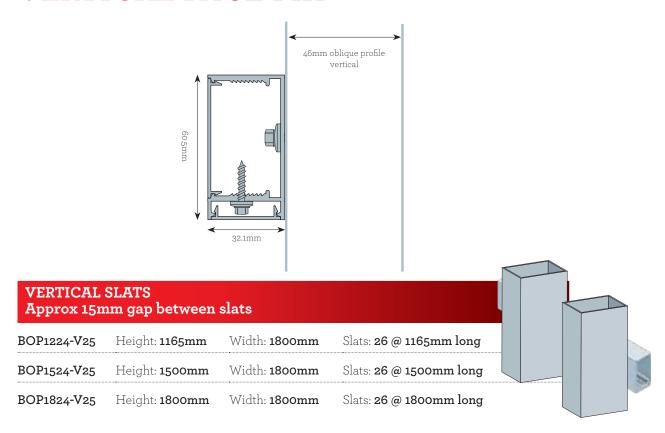


ALUMINIUM FENCING & SCREEN SYSTEMS / OBLIQUE FENCING

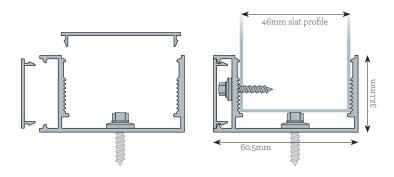
OBLIQUE FENCING CONFIGURATIONS CHANNEL FIX / 25mm PROFILE



VERTICAL FACE FIX



OBLIQUE FENCING CONFIGURATIONS CHANNEL FIX / 46mm PROFILE



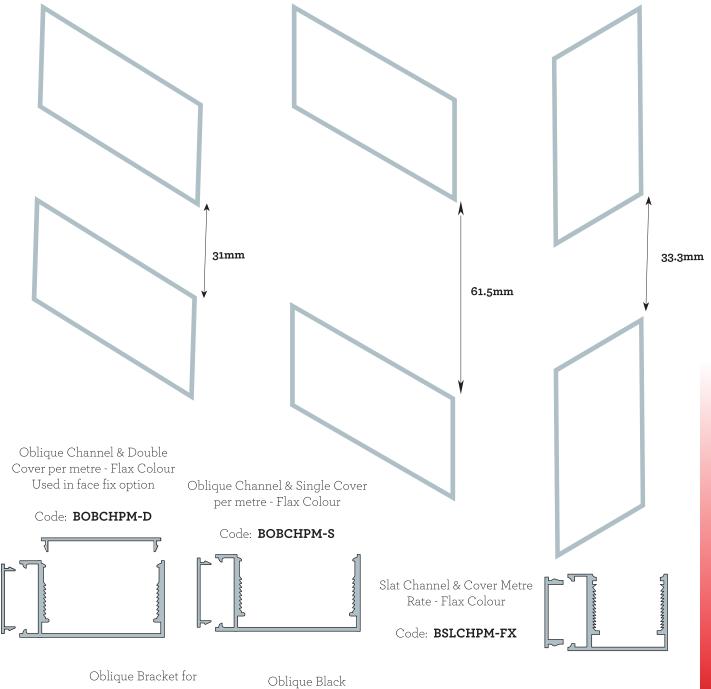
HORIZONT	AL SLATS petween slats			
BOP1224-H46	Height: 1209mm	Width: 2400mm	Slats: 13 @ 2330mm long	
BOP1524-H46	Height: 1490mm	Width: 2400mm	Slats: 16 @ 2330mm long	
BOP1824-H46	Height: 1770mm	Width: 2400mm	Slats: 19 @ 2330mm long	

HORIZONTAL SLATS 31mm gap between slats	FULL PRIVACY		
BOPP1224-H46 Height: 1235mm	Width: 2400mm	Slats: 19 @ 2330mm long	
BOPP1524-H46 Height: 1495mm	Width: 2400mm	Slats: 23 @ 2330mm long	
BOPP1824-H46 Height: 1755mm	Width: 2400mm	Slats: 27 @ 2330mm long	

VERTICAL 63mm gap l	SLATS petween slats		
BOP1218-V46	Height: 1165mm	Width: 1800mm	Slats: 19 @ 1165mm long
BOP1518-V46	Height: 1500mm	Width: 1800mm	Slats: 19 @ 1500mm long
BOP1818-V46	Height: 1800mm	Width: 1800mm	Slats: 19 @ 1800mm long

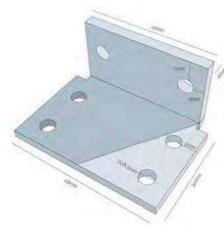
ALUMINIUM FENCING & SCREEN SYSTEMS / OBLIQUE FENCING

OBLIQUE SPACINGS



Vertical mounted

Code: **BOBEB**



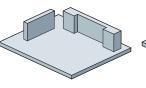
Channel Plastic End Cap 60x30 Left and Right

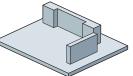
Code: **BOBCHECL** Code: **BOBCHECR**

Oblique Black Slat Plastic End Caps Left and Right

Codes: **BOBSLECL BOBSLECR**

Black top and bottom caps are available to complete your face fixed fencing.







Oblique codes

1165mm length: BOBSL1165 1500mm length: **BOBSL15** 1800mm length: BOBSL18 2300mm length: **BOBSL23**



 $\ensuremath{\mathsf{BelAire}}$ Oblique Fencing viewed from the road or driveway



 $\label{thm:policy} \textbf{BelAire Oblique Fencing viewed from your house or garden}$







ALUMINIUM FENCING & SCREEN SYSTEMS







ALUMINIUM FENCING & SCREEN SYSTEMS / COMMERCIAL PROJECTS

Kotuitui Development

After Ace Landscapes installed traditional timber fences for Kāinga Ora homes' Kotuitui development they could see how it could degrade after a few weeks. Then they came across BelAire Designer Fencing's aluminium slat fencing range, provided them a good, strong, and low maintenance system that would look great for many years.

Project Specifications:

Vertical Slats Fencing

1200, 1500 and 1800mm high

Flush Capping, Slatted Bays and Solid Bays

85x25mm slats, used to create open and closed sections within 60x60mm posts. Bay widths varied from 1800 – 2400mm

Colour

Flax (matches Dulux Flaxpod)

Before



After







Dominion Construction

Being situated in the centre of New Zealand's busiest CBD, down Princess Street, the architects wanted a product that was robust, strong and looked great. The perfect solution was to supply and install the BelAire slat fencing system which enhanced the project and caused little disturbance to the site.

Project Specifications:

Aluminium Slats

2400mm high

Flush Capping, Slatted Bays and Solid Bay

Slat panels with 15mm gaps, between engineered 150 x 100mm flange plated posts, 54m long including 3 Gates

Colour

Ebony (Black)





Matarangi Slat Fencing

With such a modern stylish looking house, the aluminium slats were a perfect complimentary look. The matching gates, along with their full automation functionality allow the customer to easily access his boat, house and garden exactly as requested.

Project Specifications:

Horizontal Slats Fencing

Ranging between 1900mm to 1600mm high

Flush Capping and Slatted Bays

85 x 25mm Aluminium Slats between 90 x 90mm Aluminium Flange posts fixed to concrete nib/Timber decking

Colour

Black

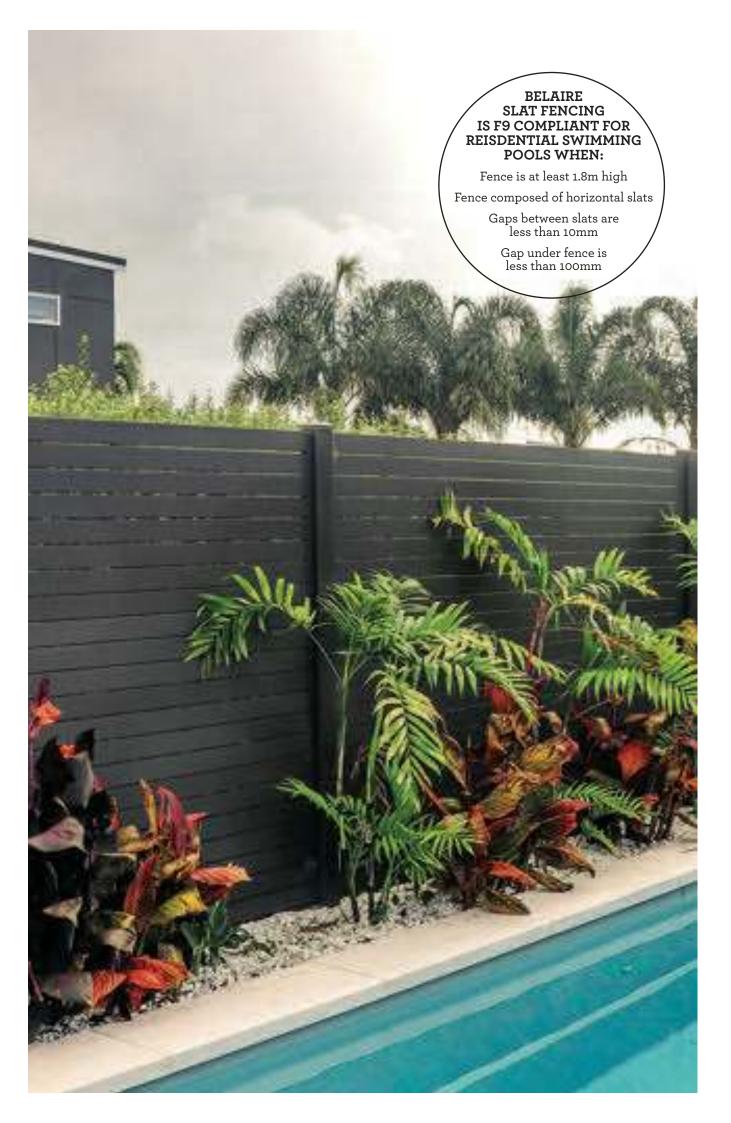
"When we approached BelAire Designer Fencing, we were after a fencing solution that would look good and enhance the overall look of our house and the property. The fencing system also needed to be low maintenance, durable and cost effective. BelAire fit perfectly with all our criteria. BelAire overall advice, service and project communications were excellent. Considering the customisation required for the tricky site, the installation of the fence and gates went smoothly. Thank you BelAire"

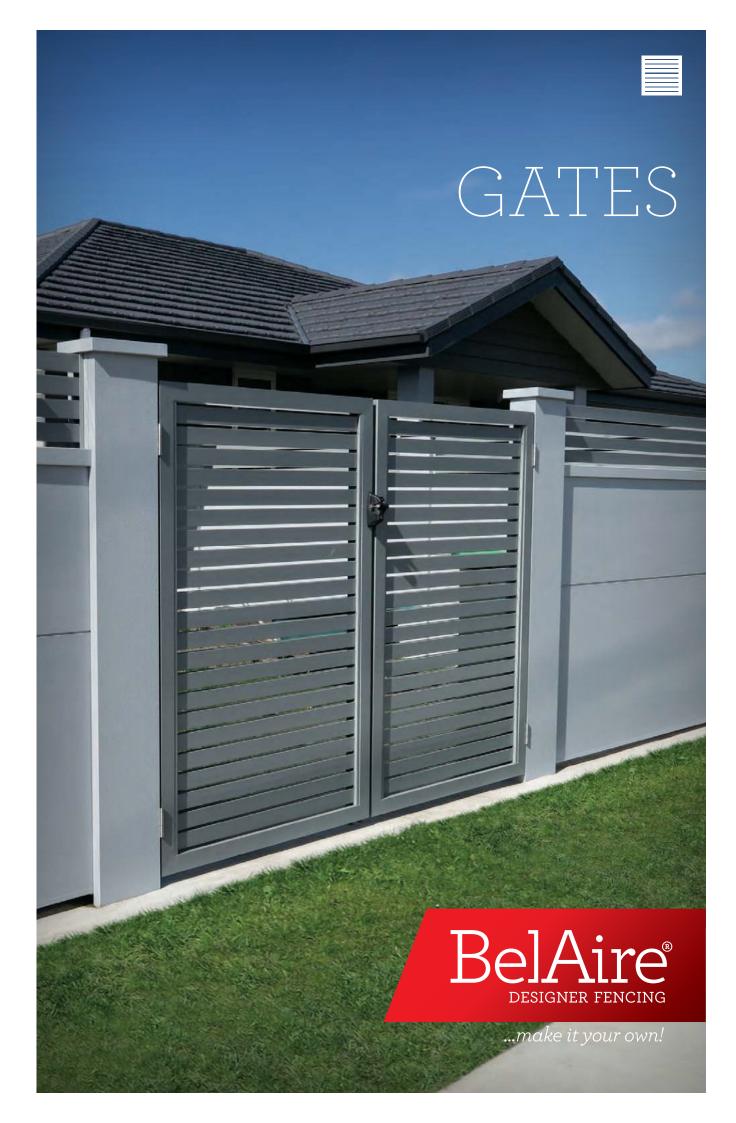
Tadek G

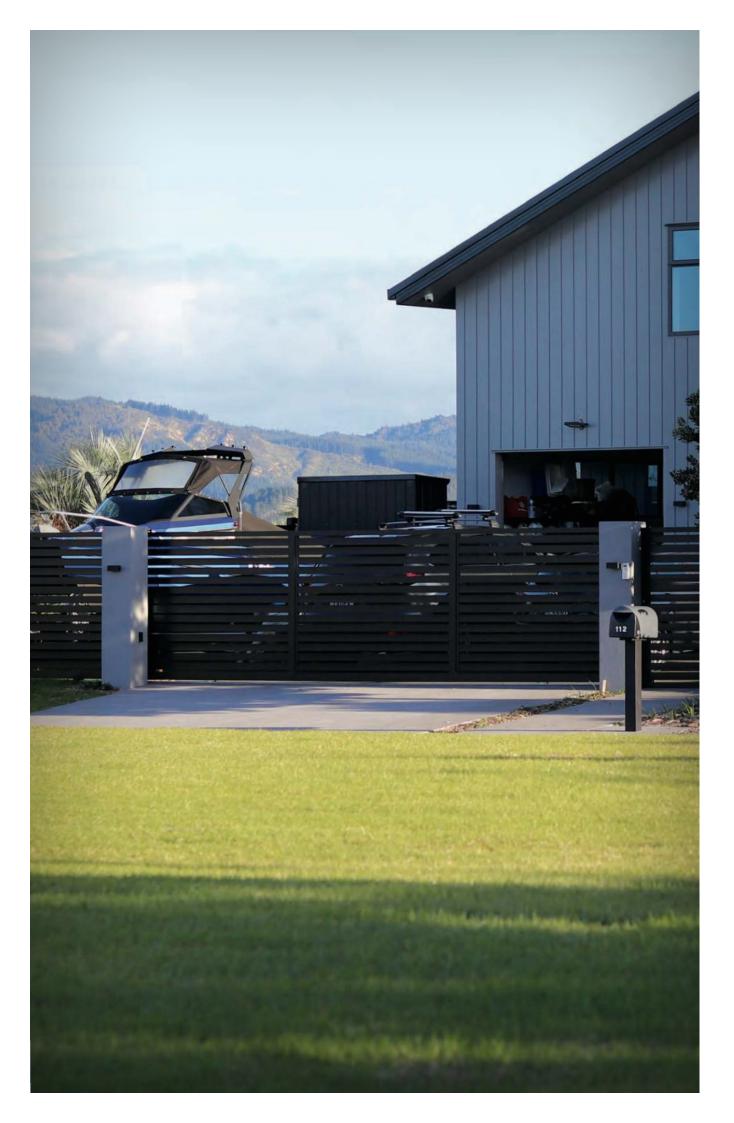












HORIZONTAL SLAT GATES

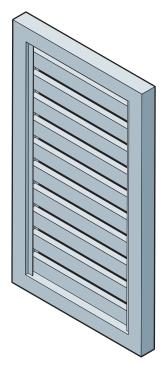
Height: 1200mm - 2100mm

Pedestrian Gate Width: 800mm - 2500mm

Driveway Swing Gate Width: 800mm - 2500mm

Driveway Sliding Gate Width: 2500mm - 6000mm

Colour: Client's choice of any Dulux powdercoat colour



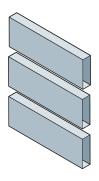
Construction:

Powdercoated aluminium.

Slat dimensions:

- Standard 85mm (height) x 25mm (width)
- Custom 60mm (height) x 25mm (width)

Also available in vertical slats.



All gates come with a 60mm x 60mm aluminium frame as standard unless stated otherwise.

For larger sliding gates we use a 100mm high x 60mm width bottom rail for strength and a 60mm x 60mm surround frame.



Powder-coat colours:











Ironsand





Flax Ebony





VERTICAL SLAT GATES

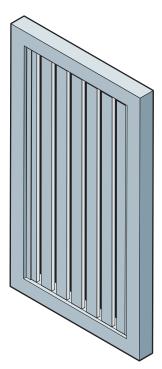
Height: 1200mm - 2100mm

Pedestrian Gate Width: 800mm - 2500mm

Driveway Swing Gate Width: 800mm - 2500mm

Driveway Sliding Gate Width: 2500mm - 6000mm

Colour: Client's choice of any Dulux powdercoat colour



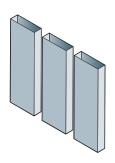
Construction:

Powdercoated aluminium.

Slat dimensions:

- Standard 85mm (height) x 25mm (width)
- Custom 60mm (height) x 25mm (width)

Also available in vertical slats.



All gates come with a 60mm x 60mm aluminium frame as standard unless stated otherwise.

For larger sliding gates we use a 100mm high x 60mm width bottom rail for strength and a 60mm x 60mm surround frame.



Powder-coat colours:





















GATES / ECO SLAT GATE KITS

GATE KIT

Height: 1200mm, 1500mm and 1800mm Pedestrian Gate Width: Up to 1000mm

Powder-coat colours:















Slate Grey

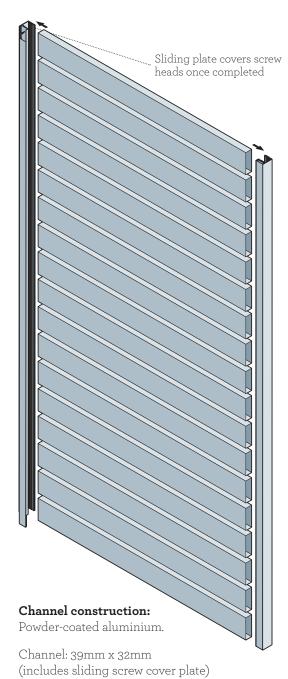
Grey Friars

Ironsand

Introducing our new, economical, cut-to-size, kitset slat gate

Supplied in kit form as: Two 1200mm channels and 12 x 1000mm wide slats (85mm x 25mm), or Two 1500mm channels and 15 x 1000mm wide slats (85mm x 25mm), or Two 1800mm channels and 18 x 1000mm wide slats (85mm x 25mm)

Gates also include 2 x stainless steel butt hinges, and a Viper Gravity latch (lockable from both sides) Simply assemble your gate - the sliding plate covers will cover the screws to provide a professional finish.





Above:

Double eco slat gate kits shown, cut down in height to 1485mm (15 slats)

Slat construction:

85mm x 25mm 1.6mm powder-coated aluminium

It is important to note that our gates with 25mm wide slats are superior in strength to some inferior walls with 16mm wide slats.

GATE KIT

Height: 1200mm, 1500mm and 1800mm Pedestrian Gate Width: Up to 1000mm

Powder-coat colours:















Titania

Gull Grey

Slate Grey

Grey Friars

Ironsand

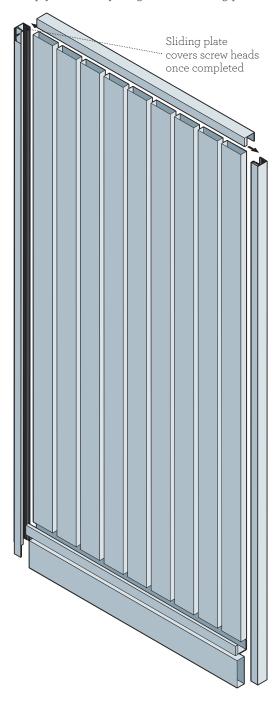
Flax

Ebony

Introducing our new, economical, cut-to-size, kitset slat gate

Supplied in kit form as: Two 1200mm and two 936mm channels and 9 x 1095mm and one 985mm Slat, or Two 1500mm and two 936mm channels and 9 x 1395mm and one 985mm Slat, or Two 1800mm and two 936mm channels and 9 x 1695mm and one 985mm Slat

Gates also include 2 x stainless steel butt hinges, and a Viper Gravity latch (lockable from both sides) Simply assemble your gate – the sliding plate covers will cover the screws to provide a professional finish.





Above:

Eco slat gate kits shown, cut down in height to 1485mm (15 slats)

Slat construction:

85mm x 25mm 1.6mm powder-coated aluminium

It is important to note that our gates with 25mm wide slats are superior in strength to some inferior gates with 16mm wide slats.

Channel construction:

Powder-coated aluminium.

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



LOUVRE GATES

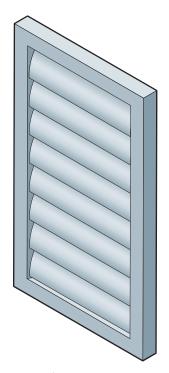
Height: 1200mm - 2100mm

Pedestrian Gate Width: 800mm - 2500mm

Driveway Swing Gate Width: 800mm - 2500mm

Driveway Sliding Gate Width: 2500mm - 6000mm

Colour: Client's choice of any Dulux powdercoat colour

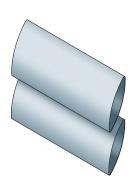


Construction:

Powdercoated aluminium.

Louvre dimensions:

- 135mm (height) x 30mm (width)



All gates come with a 60mm x 60mm aluminium frame as standard unless stated otherwise.

For larger sliding gates we use a 100mm high x 60mm width bottom rail for strength and a 60mm x 60mm surround frame.





SOLID GATES

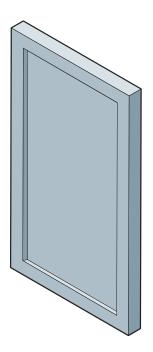
Height: 1200mm - 2100mm

Pedestrian Gate Width: 800mm - 2500mm

Driveway Swing Gate Width: 800mm - 2500mm

Driveway Sliding Gate Width: 2500mm - 6000mm

Colour: Preprimed and ready for painting

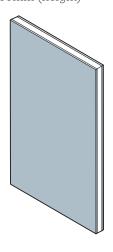


Construction:

0.55mm preprimed steel outer skins. 13mm expanded polystyrene core. Welded aluminium frame.

Panel dimensions:

- Up to 1200mm (width) x 2100mm (height)









GATES / SOLID PANEL - TUBULAR GATES

TUBULAR GATES

Height: 1200mm - 2100mm **Pedestrian Gate Width:** 950mm

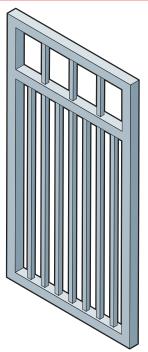
Driveway Swing Gate Width: 1000mm - 2300mm **Driveway Sliding Gate Width:** 2300mm - 6000mm

Horizontal rails: 40mm x 40mm | **Vertical bars:** 19mm x 19mm

Stile size: 50mm x 50mm, 60mm x 60mm

Colour: Powder-coated black as a standard colour or custom

colour of choice at extra cost



Construction:

2mm aluminium.

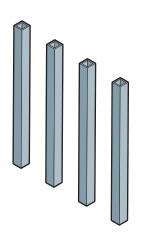
Rail dimensions:

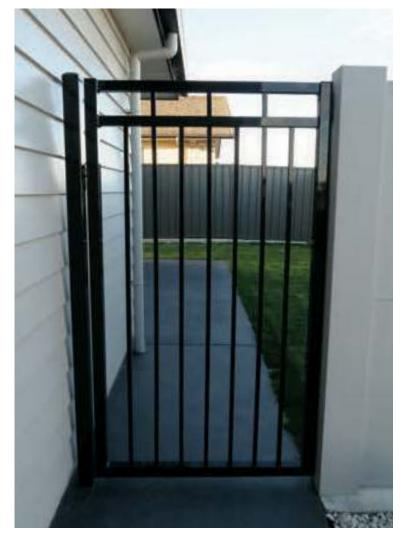
- 40mm (width) x 40mm (depth)

Picket dimensions:

- 19mm (width) x 19mm (depth)

It is important to note that our 'square cross section' tubular gates are superior in strength to some inferior, 'round cross section' gates.



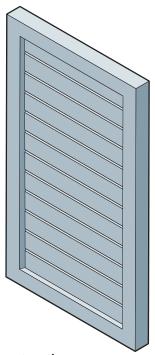




Height: 1200mm - 2100mm Pedestrian Gate Width: 80 Driveway Swing Gate Width Driveway Sliding Gate Width Colour: Client's choice of po

Pedestrian Gate Width: 800mm - 2500mm Driveway Swing Gate Width: 800mm - 2500mm **Driveway Sliding Gate Width:** 2500mm - 6000mm

Colour: Client's choice of powdercoat colour



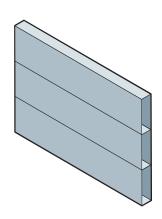
Construction:

1.6mm aluminium Solid Slates with a 60 mm x 60mm frame.

Solid Slates dimensions:

- 14.8mm (width) x 84.38mm (height) 80mm cover

Vertical & horizontal options available







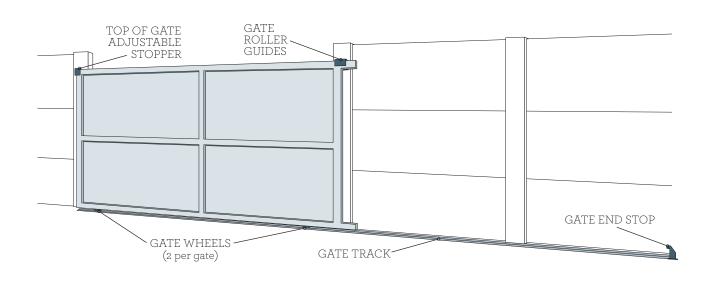
All gates come with a 60mm x 60mm aluminium frame as standard unless stated otherwise.

For larger sliding gates we use a 100mm high x 60mm width bottom rail for strength and a 60mm x 60mm surround frame.





SLIDING GATES



GATE ROLLER GUIDE

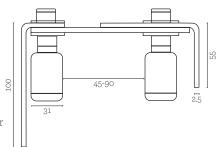
Heavy Duty 2.4mm Steel



Order Code: BELTRB

SPECIFICATION

- · Heavy duty top gate support roller
- · Powdercoated black



TOP OF GATE ADJUSTABLE STOPPER

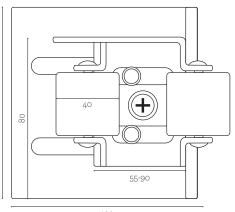
Heavy Duty 2.4mm/8mm Steel



Order Code: BELGS

SPECIFICATION

- Fully adjustable end catch 🙎
- Heavy duty
- · Powdercoated black





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GATE TRACK

Heavy Duty 3mm Galvanised Steel

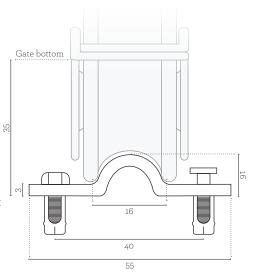


Order Code: BSGT

SPECIFICATION

- · Heavy duty galvanised gate track
- · Fittings excluded

Supplied in 3m long lengths



GATE WHEELS

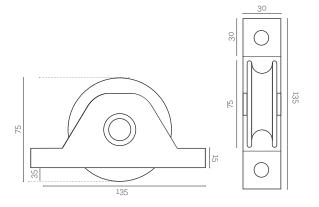
Heavy Duty Steel



Order Code: BELSGW

SPECIFICATION

- Heavy duty up to 300kg
- · Powercoated black



GATE END STOP

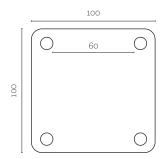
Heavy Duty 8mm Steel

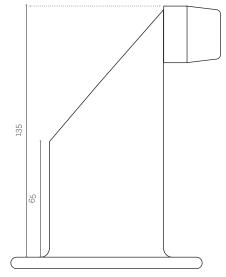


Order Code: BELGES

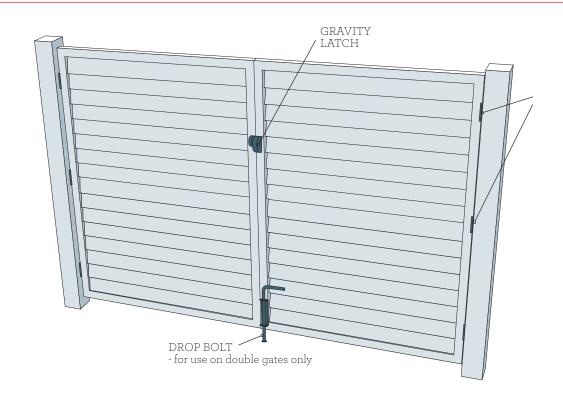
SPECIFICATION

- · Rigid bolt down
- · Powercoated black





HINGED GATES



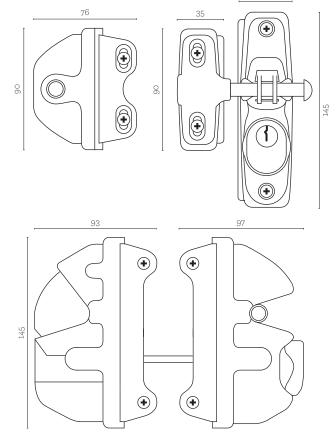
GRAVITY LATCH
Polymer and Stainless Steel



Order Code: SLV-Viper-X2

SPECIFICATION

- · High grade polymer and stainless steel
- · Resists UV and rust degradation





37.1

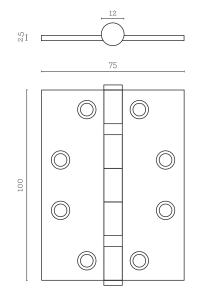
BUTT OR GATE HINGES

STAINLESS STEEL BUTT HINGE

304 Grade Satin Finish Stainless Steel



- Satin finish
- Fixed pin
- Square edge
- Size: 100mm x 75mm 2.5mm
- For gates from 900 1500mm wide
- · Rivets provided



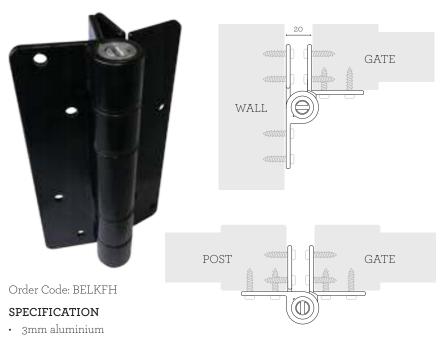
When using STAINLESS STEEL BUTT HINGES, leave a gap between the posts that is:

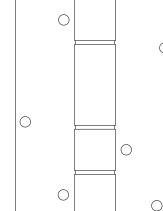
- 25mm wider than the gate (for a single gate) or
- 35mm wider than the gates (for double gates).

This is our standard hinge used unless otherwise specified

HEAVY-DUTY BLACK HINGE

3mm Aluminium Wall or Post Mounted





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- · Black satin finish
- Adjustable tension
- Size: 145mm x 88mm 55mm
- For gates up to 1500mm wide

When using HEAVY-DUTY BLACK HINGES, leave a gap between the posts that is:

- 35mm wider than the gate (for a single gate) or
- 55mm wider than the gates (for double gates).

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HINGED GATES

HEAVY DUTY GATE HINGES

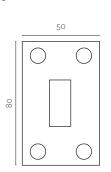
8mm Steel

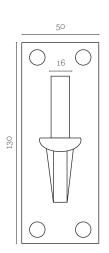


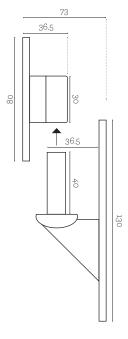
Order Code: BELHDGH

SPECIFICATION

- Screw on fittings
- Powercoated to same as gate colour
- For gates 1500 - 2500mm wide







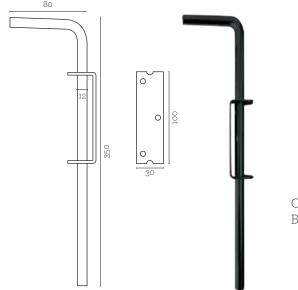
DROP BOLT

12mm Diameter Steel

Order Code: **Stainless:** BELDB

SPECIFICATION

· Screw on fittings



Order Code: BELDB



POOL HINGE & LATCH SET

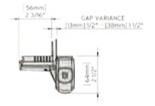
SET INCLUDES 2 HINGES & LATCH: Order Code: PGH

MAGNETIC SAFETY LATCH

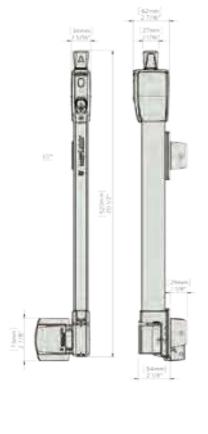
Polymer and stainless steel

SPECIFICATION

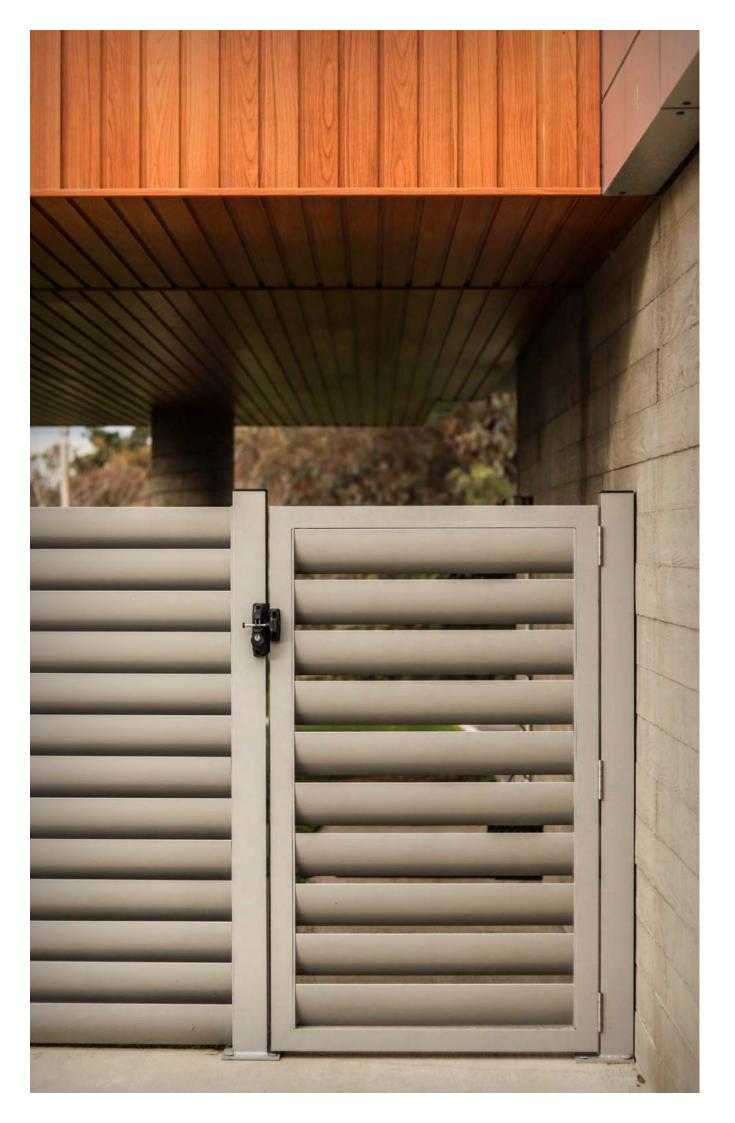
- · Visual indicator shows locked/unlocked status
- · New, higher-security lock cylinder
- · Vertically and horizontally adjustable
- Indicator marks show if adjustment is required
- Meets all Australian and NZ Standards for pool gates
- Minimum post size: 25mm+
- Ideal gate gap: 19mm
- · Fixing method: screw-on















For more information, call us to speak to one of our friendly team:

0800 235 2473

BelAire Designer Fencing is a division of:



BelAire Designer Fencing

PO Box 3030, Hawke's Bay Mail Centre, Napier 4142 New Zealand

Tel: 0800 BELAIRE (0800 235 2473) · Fax: 06 878 5758

Email: info@belairefencing.co.nz · www.belairefencing.co.nz