ALTERIA
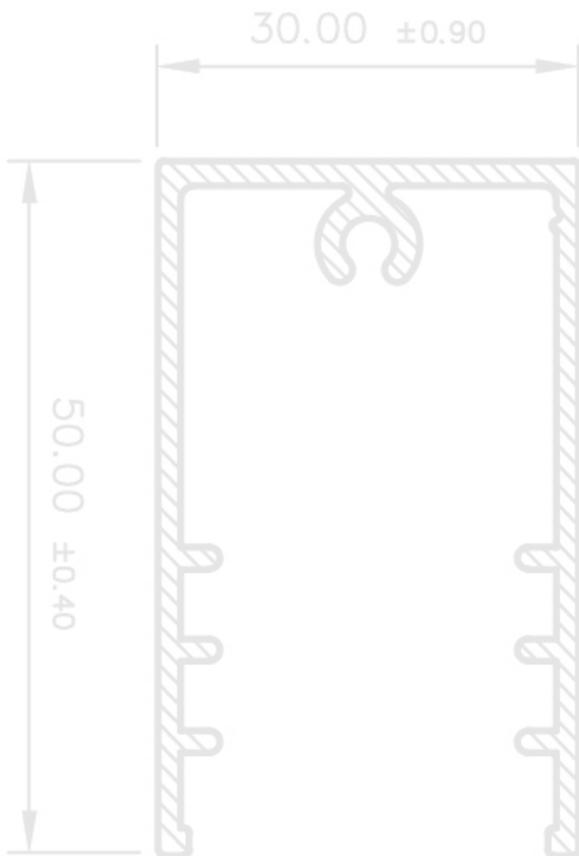## SIGNATURE ALUMINIUM SYSTEMS

PRODUCT
TECHNICAL DATASHEETS

Batten Systems
Slat Systems
Cladding Systems

Contents

Product Overview

With a range of proprietary aluminium batten and cladding profiles, Alteria Signature Aluminium Systems have been designed with all the complementary accessories and trims to ensure not only a more efficient installation, but a facade that will look great and last for years to come.

The Alteria finishes range includes a wide selection of premium powder coat colours to suit all project requirements, including realistic wood-look options plus many on-trend pearlescent and anodised-look colours.

Application

Alteria Signature Aluminium battens and claddings are non-structural but are suitable for use as a decorative internal linings or as a external cladding for residential and commercial buildings.

Battens

Alteria Aluminium battens are not designed to provide weatherproofing to the building. If weatherproofing is required, battens need to be installed over suitable exterior cladding. Please contact your project engineer for cladding recommendations.

Battens can also be installed directly to most internal linings (eg. Plasterboard) or directly fixed straight to the ceiling grid.

Battens must be secured to a top hat or nogging. It is imperative that they are not just installed to cladding or lining sheet.

Claddings

Alteria Aluminium claddings have been designed to be weathertight, however it is essential that a moisture management plan has been completed including the necessary flashings, air barriers, seals and waterproofing sheets to meet the requirements of the BCA. Contact your project engineer for recommendations.

Alteria Aluminium cladding can be installed direct fixed straight to the wall battens or ceiling grid.

Please refer to Alteria Install Guides for further installation advice.

Warranty

Alteria products are built to last and are made in Australia using quality components. By following the care and maintenance instructions, Alteria Aluminium Systems are covered by one of our Signature Warranties.

Refer to the Finishes section for an overview of the warranty periods available for each finish. Visit the Alteria website for full warranty terms and conditions.

Two-Piece Batten & Slat System

There are four main fixing methods available for Alteria Signature Aluminium battens and slats.
Please contact Alteria for advice on other fixing methods not provided.

Direct Fix

Direct Fix – Balustrades

Mounting Track Fix

Mounting Track Fix – Acoustic Walls

Support Bracket

Rear Fix

Two-Piece Batten & Slat System

2.1 Range

Two Piece Battens – Contemporary Range

30 x 30mm

30 x 50mm

30 x 80mm

30 x 120mm

50 x 50mm

50 x 100mm

50 x 150mm

50 x 200mm

Two Piece Battens – Designer Range

30 x 50mm Cove

50 x 50mm Cove

Two Piece Battens – Joiner

50 x 50mm Joiner

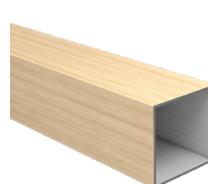### Two Piece Slats

65 x 19mm

90 x 19mm

One Piece Battens
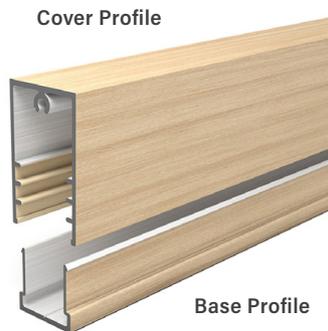
30 x 30mm

50 x 50mm

50 x 100mm

Two-Piece Batten & Slat System

2.2 System Components & Accessories

Below highlights the core components of Alteria's Batten System range.

Two Piece Batten/Slat

Two-piece Batten/Slat System comprising Cover profile and Base profile.

Cover Profile

Base Profile

Mounting Track - Standard

If required, Mounting Track can be used to secure the vertical two piece batten/slat to the wall.

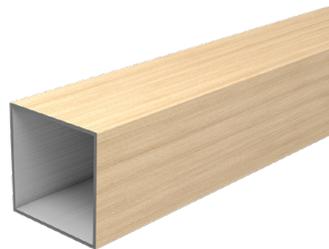Required for Mounting Track Fix only.

Can be used for external and internal applications.

One Piece Batten

One piece batten.

Available in 30x30mm, 50x50mm, and 50x100mm.

Mounting Track - Acoustic

If required, Mounting Track can be used to secure the vertical two piece batten/slat to the wall.

This track includes a proprietary design to accommodate an acoustic panel.

Required for Mounting Track Fix only.

Can be used for internal applications only.

End Cap - Friction Fit

Colour matched aluminium friction fit end caps offer a concealed fit without an exposed screw.

Available for all profiles and sizes.

Fixing Screw

Battens/Slats need to be fixed securely to suitable substrate using specific fasteners depending on the substrate material.

End Cap - Screw Fit

Colour matched aluminium screw fit end caps with colour matched screws available.

Not available for 30mm two piece battens; Slat range, Joiner batten range or One piece hollow sections.

Support Brackets

L shaped support bracket to securely attach the batten base to a support substrate.

Suitable for Support Bracket Fix installation.

There are specific support bracket sizes based on the batten size selected.

Contact Alteria for advice.

Two-Piece Batten & Slat System

2.3 Batten & Slat Base

The batten base are available in two sizes. The 30mm batten base is to be used with all batten profiles in the 30mm series. In the 50mm series there is a 50mm Standard Base that is used for 50x50mm, 50x100mm and 50x150mm and a 50mm Heavy Base that is used for the 50x200mm and 50x200mm Joiner profile.

30mm Batten Base

24.20 ±0.25

25.20 ±0.60
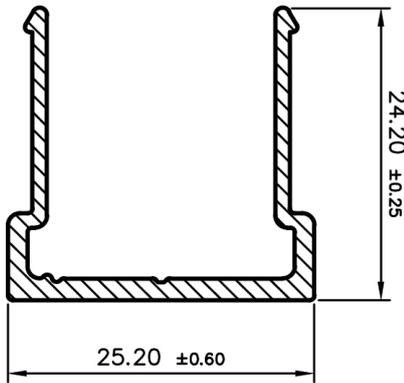
50mm Batten Base – Standard

24.20 ±0.25

45.20 ±0.60
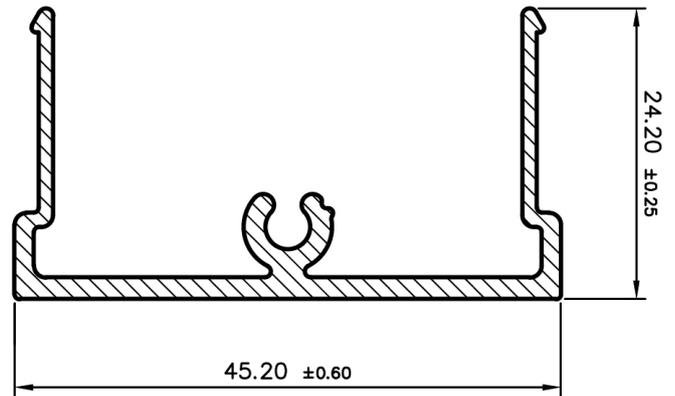
50mm Batten Base – Heavy

Suitable for 50x200mm and 50x200mm Joiner Batten only

38.00 ±0.30

44.20 ±0.70
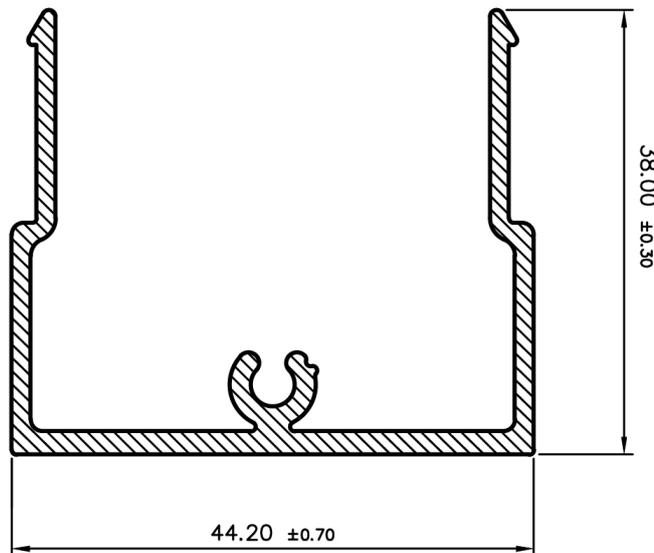
19mm Slat Base

Suitable for 65x19mm and 90x19mm Slat only

17.35 ±0.25

60.20 ±0.60

Two-Piece Batten & Slat System
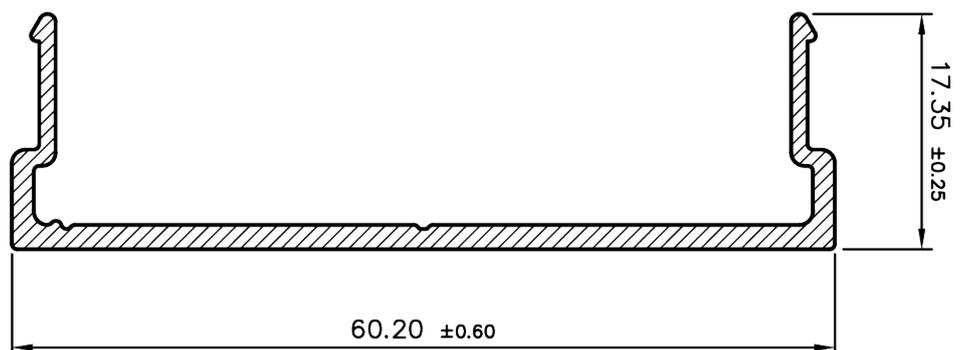
2.3 Batten & Slat Base

	30mm Base	50mm Base - Standard	50mm Base - Heavy	19mm Slat Base
Description	30mm Batten Base	50mm Batten Base	50mm Batten Base	50mm Batten Base
System	Two-Piece Batten & Slat System	Two-Piece Batten & Slat System	Two-Piece Batten & Slat System	Two-Piece Batten & Slat System
System Component	Male	Male	Male	Male
Base Material	Aluminium	Aluminium	Aluminium	Aluminium
Grade	6060 / T5 Temper	6060 / T5 Temper	6060 / T5 Temper	6060 / T5 Temper
Dimensional Tolerances	As per drawings	As per drawings	As per drawings	As per drawings
Other Tolerances	In Accordance to AS/NZS 1866:1997			
Material Standards	AS/NZS 1866:1997			
Width	25.2mm	45.2mm	44.2mm	60.2mm
Height	24.2mm	24.2mm	38.0mm	17.35mm
Standard Length*	6500mm	6500mm	6500mm	6500mm
Thickness	1.8mm	1.8mm	2.0mm	1.8mm
Mass	0.29kg/m	0.462kg/m	0.638kg/m	0.416kg/m
Weight (Per Length)	1.89kg	3.00kg	4.14kg	2.70kg
Stock Finish	Mill	Mill	Mill	Mill
Finish/Coating Range Options	Evoke, Meridian, Aurora, Lumi, Essentials			
Fire Certifications	AS 1530.1-1994, AS/NZS 1530.3-1999, AS 5637.1. See Section 6 for fire performance results.			

*Custom lengths available on request.

Two-Piece Batten & Slat System

2.4 Batten Cover - 30mm Series

30x30mm Batten Cover

30.00 ±0.90

30.00 ±0.90

30x80mm Batten Cover

30.00 ±0.90

80.00 ±0.60

30x120mm Batten Cover

30.00 ±0.90

120.00 ±0.90

30x50mm Batten Cover

30.00 ±0.90

50.00 ±0.40

30x50mm Cove Batten Cover

30.00 ±0.70

50.00 ±0.40 T.P

Two-Piece Batten & Slat System

2.4 Batten Cover - 30mm Series

	30x30mm	30x50mm / 30x50mm Cove	30x80mm	30x120mm
Description	30x30mm Batten Cover	30x50mm Batten Cover	30x80mm Batten Cover	30x120mm Batten Cover
System	Two-Piece Batten & Slat System	Two-Piece Batten & Slat System	Two-Piece Batten & Slat System	Two-Piece Batten & Slat System
System Component	Female	Female	Female	Female
Base Material	Aluminium	Aluminium	Aluminium	Aluminium
Grade	6060 / T5 Temper	6060 / T5 Temper	6060 / T5 Temper	6060 / T5 Temper
Dimensional Tolerances	As per drawings	As per drawings	As per drawings	As per drawings
Other Tolerances	In Accordance to AS/NZS 1866:1997			
Material Standards	AS/NZS 1866:1997			
Width	30mm	30mm	30mm	30mm
Height	30mm	50mm	80mm	120mm
Standard Length*	6500mm	6500mm	6500mm	6500mm
Thickness	1.6mm	1.6mm	1.8mm	2mm
Mass	0.490kg/m	0.711kg/m / 0.678kg/m	1.179kg/m	1.713kg/m
Weight (Per Length)	3.18kg	4.4.62kg / 4.41kg	7.66kg	11.13kg
Stock Finish	Mill	Mill	Mill	Mill
Finish/Coating Range Options	Evoke, Meridian, Aurora, Lumi, Essentials			
Fire Certifications	AS 1530.1-1994, AS/NZS 1530.3-1999, AS 5637.1. See Section 6 for fire performance results.			

*Custom lengths available on request.

Two-Piece Batten & Slat System

2.5 Batten Cover - 50mm Series

50x50mm Batten Cover

50.00

50.00 ±0.40

50x50mm Cove Batten Cover

50.00

50.00 ±0.40

50x100mm Batten Cover

50.00 ±0.90

100.00 ±0.60

50x150mm Batten Cover

50.00 ±1.10

150.00 ±0.90

50x200mm Batten Cover

50.00 ±1.10

200.00 ±1.10

Two-Piece Batten & Slat System

2.5 Batten Cover - 50mm Series
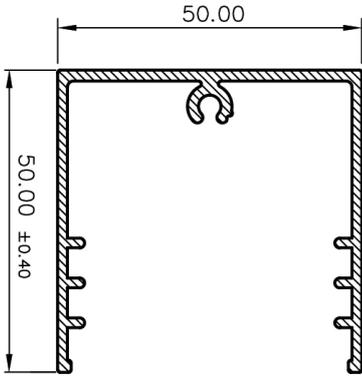
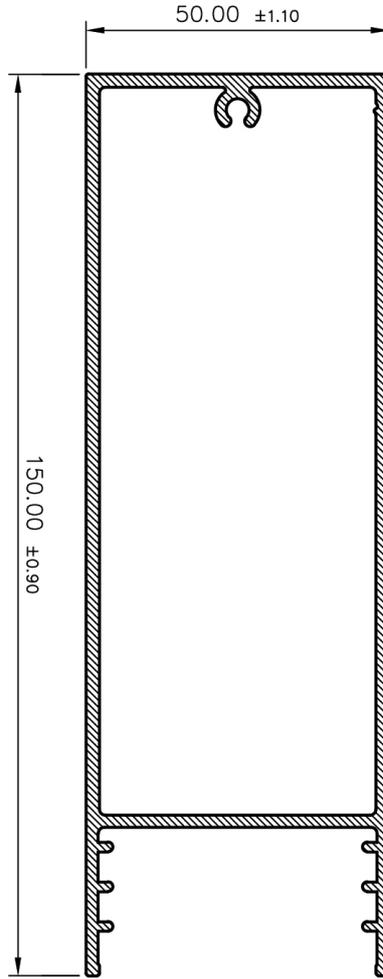|	50x50mm / 50x50mm Cove	50x100mm	50x150mm	50x200mm
Description	50x50mm Batten Cover	50x100mm Batten Cover	50x150mm Batten Cover	50x200mm Batten Cover
System	Two-Piece Batten & Slat System	Two-Piece Batten & Slat System	Two-Piece Batten & Slat System	Two-Piece Batten & Slat System
System Component	Female	Female	Female	Female
Used With	50mm Base - Standard	50mm Base - Standard	50mm Base - Standard	50mm Base - Heavy
Base Material	Aluminium	Aluminium	Aluminium	Aluminium
Grade	6060 / T5 Temper	6060 / T5 Temper	6060 / T5 Temper	6060 / T5 Temper
Dimensional Tolerances	As per drawings	As per drawings	As per drawings	As per drawings
Other Tolerances	In Accordance to AS/NZS 1866:1997			
Material Standards	AS/NZS 1866:1997			
Width	50mm	50mm	50mm	50mm
Height	50mm	100mm	150mm	200mm
Standard Length*	6500mm	6500mm	6500mm	6500mm
Thickness	1.8mm / 1.6mm	1.8mm	2.2mm	2.5mm
Mass	0.808kg/m / 0.762kg.m	1.568kg/m	2.408kg/m	3.441kg/m
Weight (Per Length)	5.25kg / 4.95kg	10.19kg	15.65kg	22.3kg
Stock Finish	Mill	Mill	Mill	Mill
Finish/Coating Range Options	Evoke, Meridian, Aurora, Lumi, Essentials			
Fire Certifications	AS 1530.1-1994, AS/NZS 1530.3-1999, AS 5637.1. See Section 6 for fire performance results.			

*Custom lengths available on request.

2.6 Slat Cover

65x19mm Slat Cover

19.00 ±0.25

65.00 ±1.00
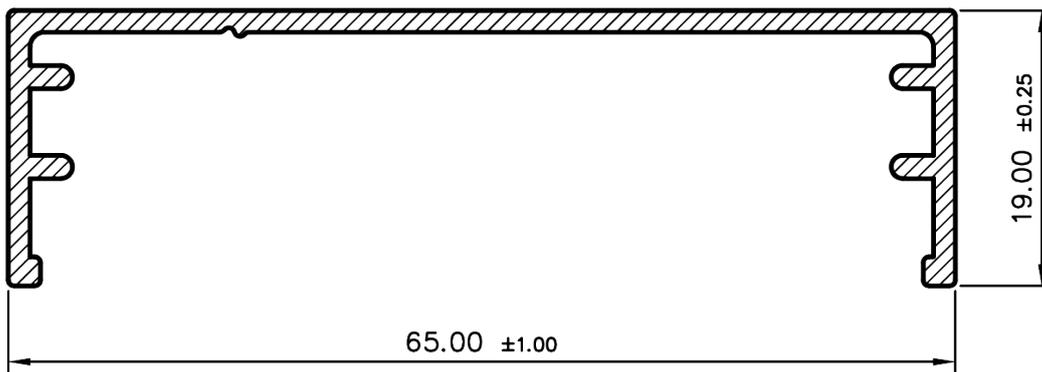
90x19mm Slat Cover

19.00 ±0.45

90.00 ±1.00
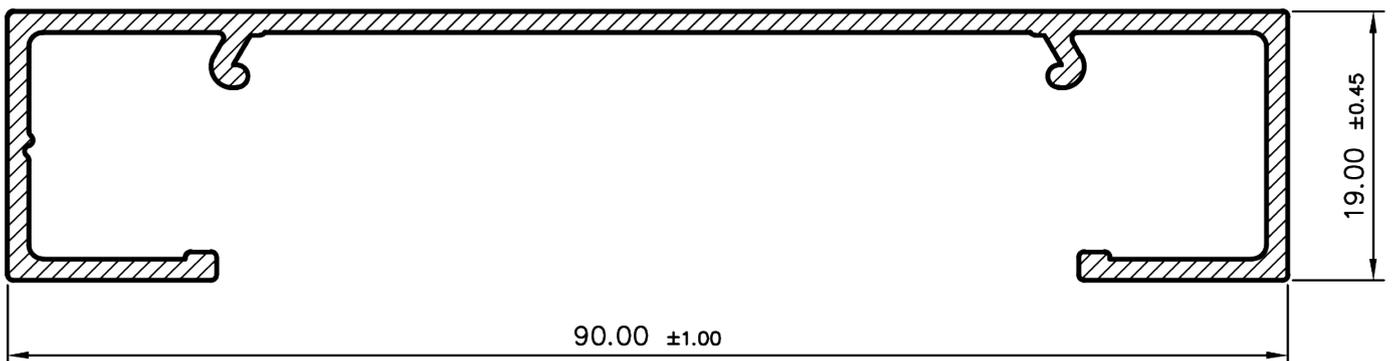
Two-Piece Batten & Slat System

2.6 Slat Cover – 19mm Series

	65x19mm	90 x 19mm
Description	65x19mm Slat Cover	90x19mm Slat
System	Two-Piece Slat System	Two-Piece Slat System
System Component	Female	Female
Used With	19mm Slat Base	19mm Slat Base
Base Material	Aluminium	Aluminium
Grade	6060 / T5 Temper	6060 / T5 Temper
Dimensional Tolerances	As per drawings	As per drawings
Other Tolerances	In Accordance to AS/NZS 1866:1997	
Material Standards	AS/NZS 1866:1997	
Width	65mm	90mm
Height	19mm	19mm
Standard Length*	6500mm	6500mm
Thickness	1.5mm	1.5mm
Mass	0.46 kg/m	0.661 kg/m
Weight (Per Length)	2.66 kg	4.30 kg
Stock Finish	Mill	Mill
Finish/Coating Range Options	Evoke, Meridian, Aurora, Lumi, Essentials	
Fire Certifications	AS 1530.1-1994, AS/NZS 1530.3-1999, AS 5637.1. See Section 6 for fire performance results.	

*Custom lengths available on request.

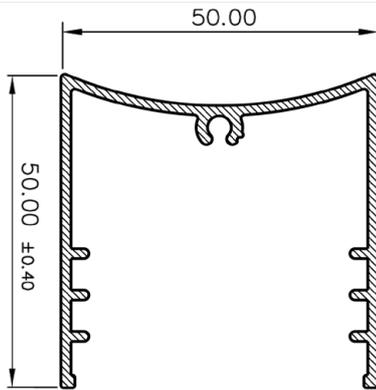# Two-Piece Batten & Slat System

2.7 Batten Joiner

The batten joiner can be used together with the 50x50mm, 50x100mm and 50x150mm covers to create an even longer batten length. The batten joiner must be used with the 50mm Batten Base - Heavy.

50x200mm Batten Joiner

200.00 ±1.10

50.00 ±1.10

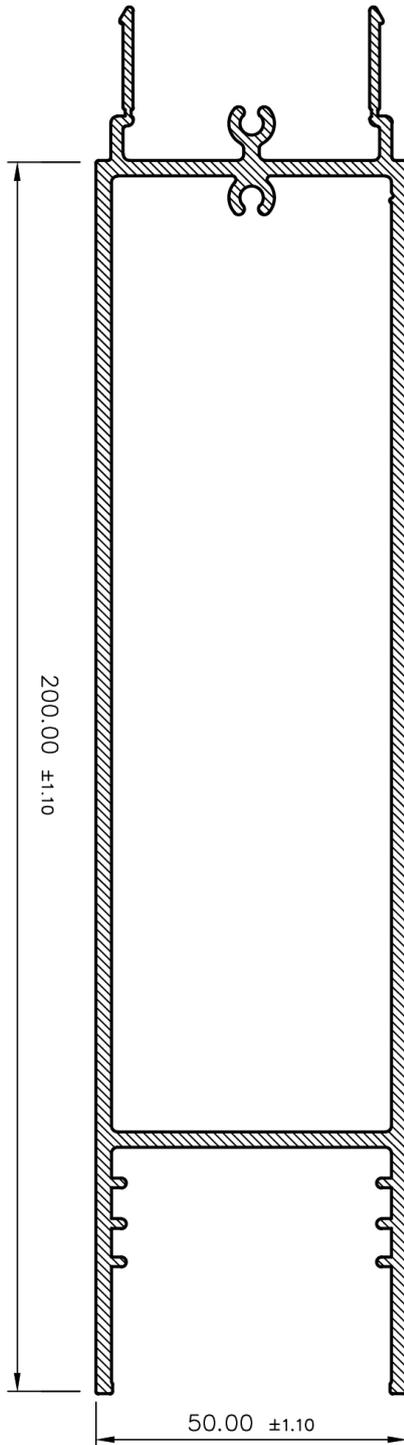|	50x200mm
Description	50x200mm Batten Joiner
System	Two-Piece Batten & Slat System
System Component	Female
Used With	50mm Base - Heavy
Base Material	Aluminium
Grade	6060 / T5 Temper
Dimensional Tolerances	As per drawings
Other Tolerances	In Accordance to AS/NZS 1866:1997
Material Standards	AS/NZS 1866:1997
Width	50mm
Height	200mm
Standard Length*	6500mm
Thickness	2.5mm
Mass	3.768kg.m
Weight (Per Length)	23.9kg
Stock Finish	Mill
Finish/Coating Range Options	Evoke, Meridian, Aurora, Lumi, Essentials
Fire Certifications	AS 1530.1-1994, AS/NZS 1530.3-1999, AS 5637.1. See Section 6 for fire performance results.

*Custom lengths available on request.

Two-Piece Batten & Slat System

2.8 Screw Fit End Caps - 50mm Battens

Batten profiles have been designed with screw flutes to allow a screw to be securely inserted into the profile.
Screw Fit End Caps also come with countersunk screw holes pre-drilled. Colour matched screws are also available.
Screw fit option not available for the 30mm Batten or 19mm Slat range.

50x50mm Screw Fit

50.00

50.00

50x100mm Screw Fit

100.00

50.00

50x150mm Screw Fit

150.00

50.00

50x200mm Screw Fit

200.00

50.00
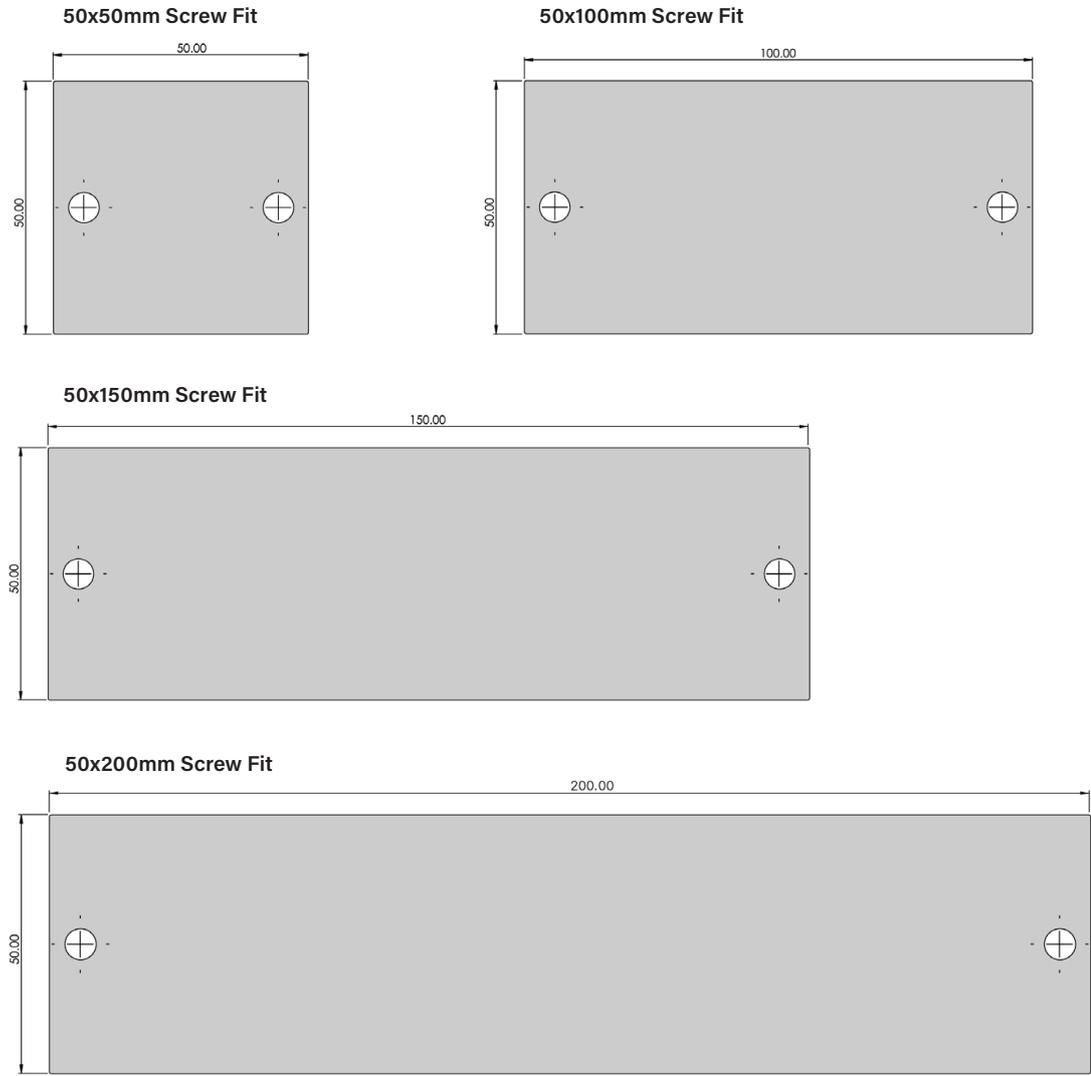
50 x 250mm Screw Fit, 50 x 300mm Screw Fit, 50 x 350mm Screw fit
(Images not shown)

	50x50mm	50x100mm	50x150mm	50x200mm	50x250mm	50x300mm	50x350mm
Used with	Two-Piece Batten	Two-Piece Batten	Two-Piece Batten	Two-Piece Batten	Two-Piece Batten	Two-Piece Batten	Two-Piece Batten
System Component	End Cap	End Cap	End Cap	End Cap	End Cap	End Cap	End Cap
Base Material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Profile Width (mm)	50	50	50	50	50	50	50
Length (mm)	50	100	150	200	250	300	350
Thickness (mm)	2	2	2	2	2	2	2
Stock Finish	Mill	Mill	Mill	Mill	Mill	Mill	Mill
Finish/Coating Range Options	Evoke, Meridian, Aurora, Lumi, Essentials						

Two-Piece Batten & Slat System

2.9 Concealed Fit End Caps - 30mm Battens

These end caps have been designed to snuggly fit our batten profiles and do not require any exposed screws.
If required, a suitable polyurethane adhesive sealant can be used in conjunction.

30x30mm Concealed Fit

30.00

30.00
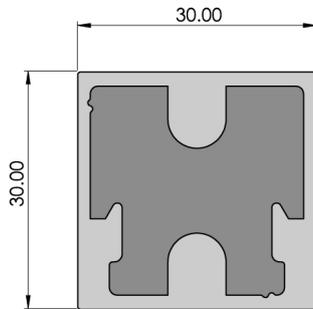
30x80mm Concealed Fit

30.00

80.00
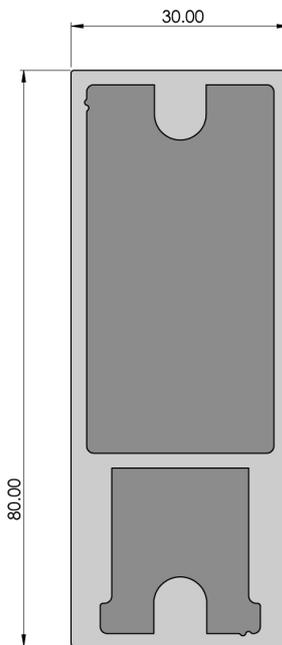
30x120mm Concealed Fit

30.00

120.00
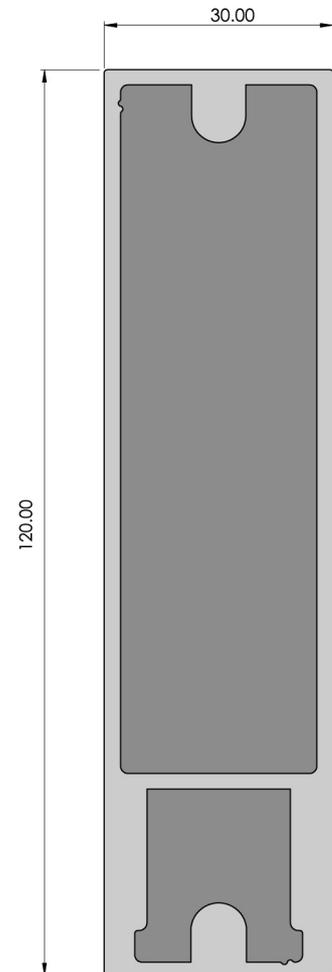
30x50mm Concealed Fit

30.00

50.00
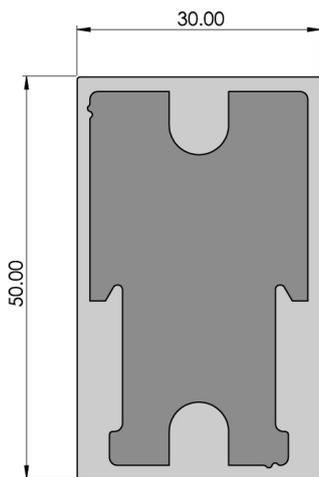
30x50mm Cove Option Available

	30x30mm	30x50mm / 30x50mm Cove	30x80mm	30x120mm
Used with	Two-Piece Batten	Two-Piece Batten	Two-Piece Batten	Two-Piece Batten
System Component	Concealed Fit End Cap	Concealed Fit End Cap	Concealed Fit End Cap	Concealed Fit End Cap
Base Material	Aluminium	Aluminium	Aluminium	Aluminium
Profile Width (mm)	30	30	30	30
Length (mm)	30	50	80	120
Thickness (mm)	5	5	5	5
Stock Finish	Mill	Mill	Mill	Mill
Finish/Coating Range Options		Evoke, Meridian, Aurora, Lumi, Essentials		

Two-Piece Batten & Slat System

2.9 Concealed Fit End Caps - 50mm Battens

50x50mm Concealed Fit

50x150mm Concealed Fit

50x200mm Concealed Fit

50x100mm Concealed Fit
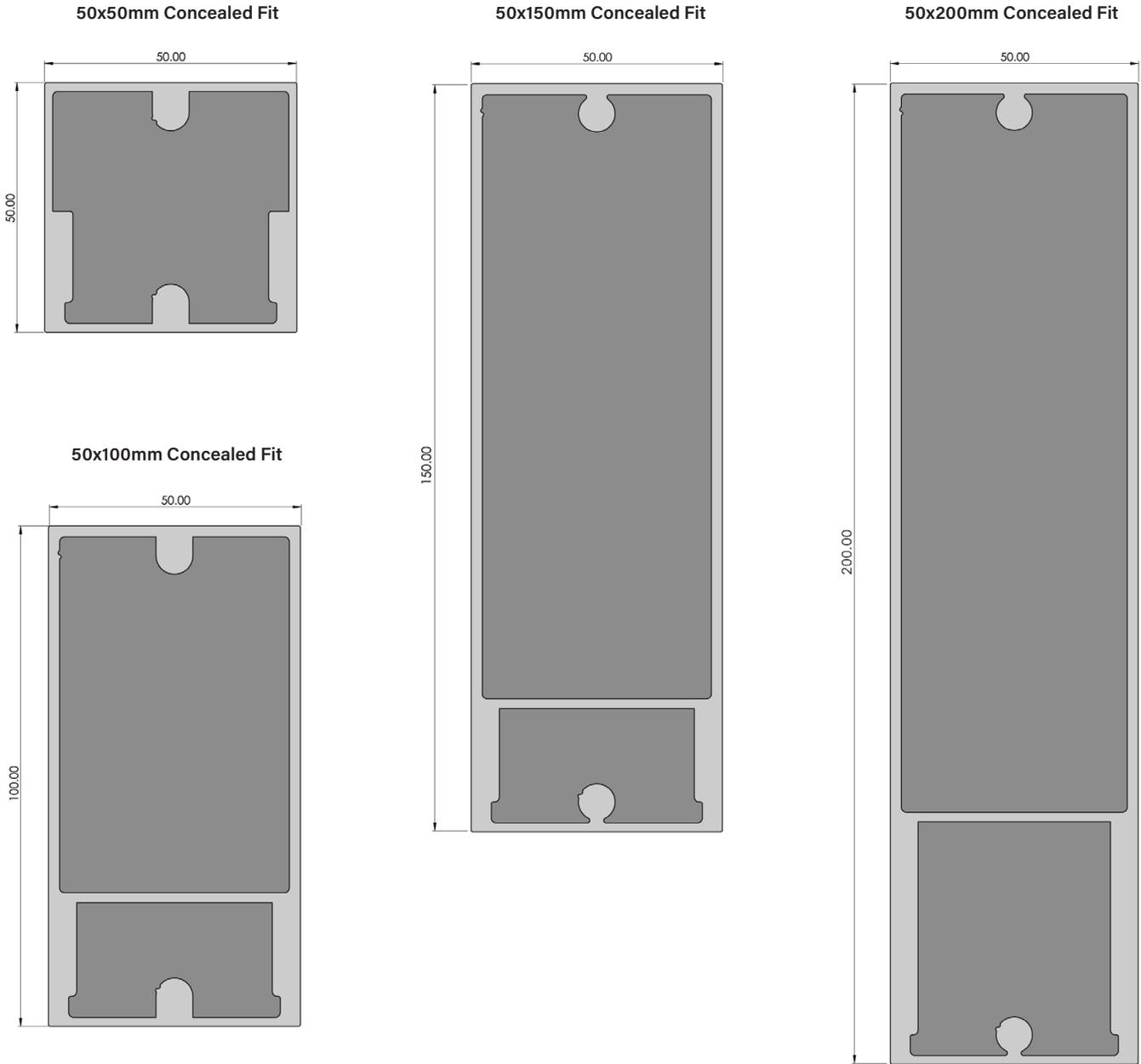
50x50mm Cove Option Available

	50x50mm / 50x50mm Cove	50x100mm	50x150mm	50x200mm
Used with	Two-Piece Batten	Two-Piece Batten	Two-Piece Batten	Two-Piece Batten
System Component	Concealed Fit End Cap	Concealed Fit End Cap	Concealed Fit End Cap	Concealed Fit End Cap
Base Material	Aluminium	Aluminium	Aluminium	Aluminium
Profile Width (mm)	50	50	50	50
Length (mm)	50	100	150	200
Thickness (mm)	5	5	5	5
Stock Finish	Mill	Mill	Mill	Mill
Finish/Coating Range Options	Evoke, Meridian, Aurora, Lumi, Essentials			

Two-Piece Batten & Slat System

2.10 Concealed Fit End Caps - 19mm Slat

65x19mm Concealed Fit

19.00

65.00

90x19mm Concealed Fit

19.00

90.00
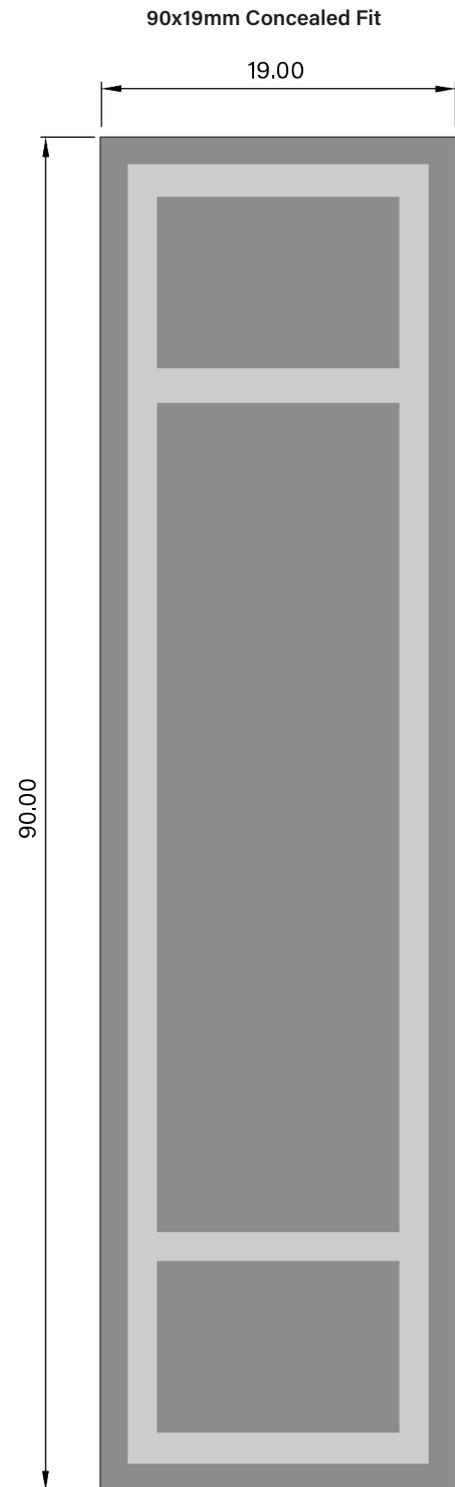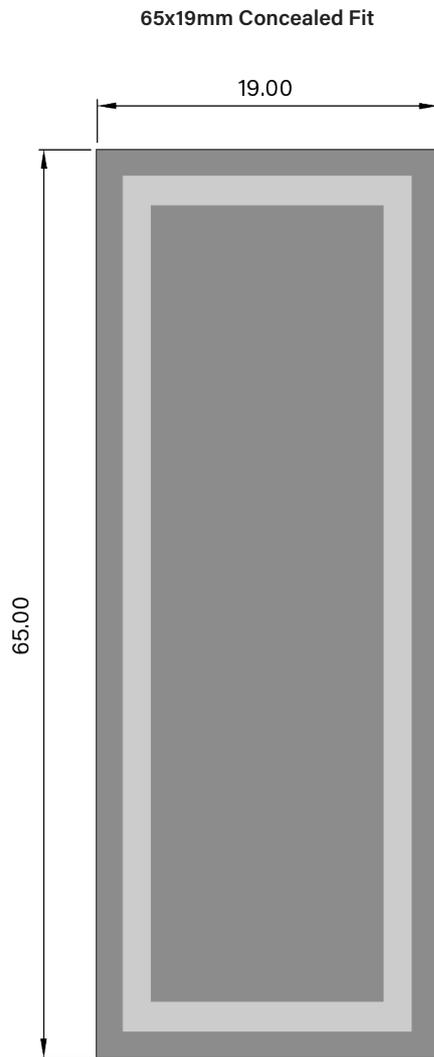
	65x19mm	90x19mm
Used with	Concealed Fit End Cap	Concealed Fit End Cap
System Component	Two Piece Slat System	Two Piece Slat System
Base Material	Aluminium	Aluminium
Profile Width (mm)	19	19
Length (mm)	65	90
Thickness (mm)	19	19
Stock Finish	Mill	Mill
Finish/Coating Range Options	Evoke, Meridian, Aurora, Lumi, Essentials	

Two-Piece Batten & Slat System

2.11 Support Brackets

These L shaped support brackets are used to securely attach the batten base to a support substrate. Suitable for Support Bracket Fix using two-piece batten system only. For each batten size, there is a specific support bracket that must be used. See table below.

30mm Series

15mm · 18mm · 80mm

30mm Series - Heavy

18mm · 35mm · 80mm

All hole diameters 6mm

50mm Series

20mm · 35mm · 80mm

35mm · 35mm · 80mm

50mm Series - Heavy
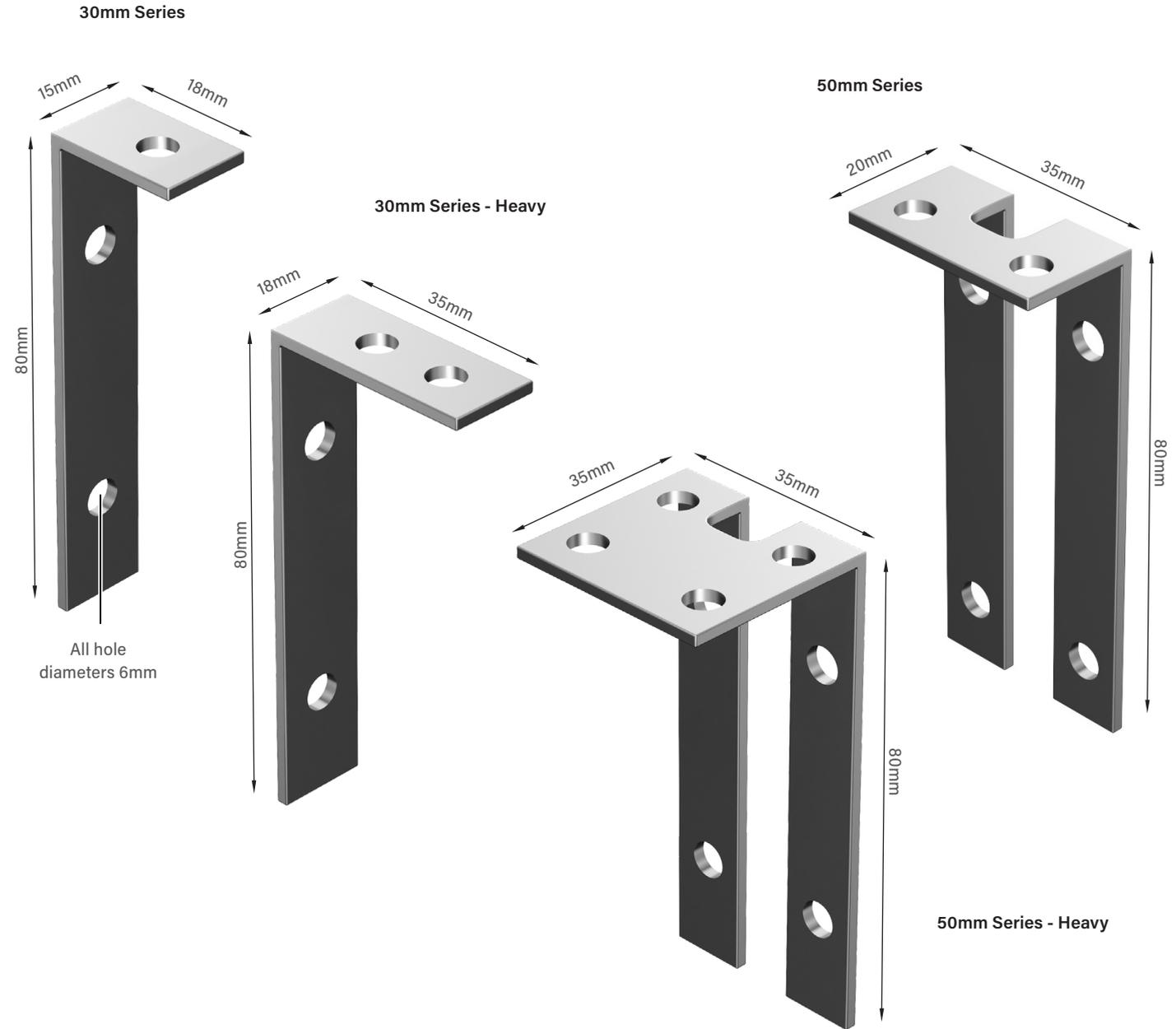
	Support Bracket – 30mm	Support Bracket – 30mm Heavy	Support Bracket – 50mm	Support Bracket – 50mm Heavy
Used with	Support Bracket	Support Bracket	Support Bracket	Support Bracket
System Component	T1108	A0033	T1107	A0032
Base Material	30x30mm, 30x80mm, 30x120mm	30x50mm	50x150mm	50x50mm, 50x100mm, 50x200mm
Stock Finish	Galvanised Steel	Galvanised Steel	Galvanised Steel	Galvanised Steel
Finish/Coating Range Options	N/A	N/A	N/A	N/A

Interlocking Cladding System

Alteria Aluminium Cladding System uses an interlocking system that is direct fixed to top hats or timber studs. The Cladding System also includes cladding accessories that can be used for various applications to help support a seamless installation.

Claddings can be installed horizontally or vertically and are suitable for both internal and external applications.

Cladding – Horizontal
Over Top Hats

Cladding – Vertical
Over Top Hats

Interlocking Cladding System

3.1 Range

Interlocking Cladding Boards – Contemporary

125mm

180mm

Interlocking Cladding Boards – Designer

150mm Cove 30

150mm Cove 50

180mm Castellated 30

Accessories & Trims

Starter Profile

Joiner Profil - Two Piece

Finisher Profile - Two Piece

Corner Profile - Two Piece

Interlocking Cladding System

3.2 System Components & Accessories

Below highlights the core components of Alteria's Cladding System range.

Alteria Cladding Board

Interlocking aluminium cladding board - available in Contemporary and Designer profiles.

Length: 6500mm

Corner Profile – 2 Piece

Reversible Two Piece Corner Profile designed to conceal both internal and external corner details.

Base Profile

Cover Profile

Starter Profile

The starter piece serves as the initial support for the first row of cladding, ensuring alignment, stability and moisture protection.

Length: 6500mm

Z Support Profile

Z Profile can be used to reinforce the cut edge of a cladding board if required.

Length: 6500mm
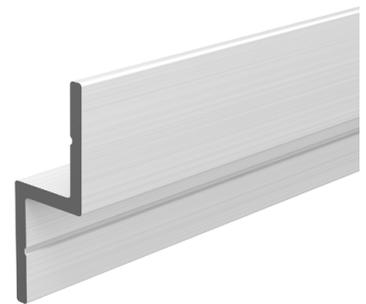
Finisher Profile – 2 Piece

Two Piece Finisher Profile is required to secure the final row and edges, providing moisture protection and a seamless finish.

Length: 6500mm

Base Profile

Cover Profile

Cladding Screw

Iccons Self Drilling Flathead Class 3 10-16 X 22 Screw.

Used to secure cladding and trim profiles to top hats.

Joiner Profile – 2 Piece

Two Piece Joiner Profile is required to seamlessly connect two cladding boards, providing moisture protection and a seamless finish.

Length: 6500mm

Base Profile

Cover Profile

Top Hat Fixing Screw

Top hats need to be fixed securely to suitable substrate using specific fasteners depending on the substrate material.

Interlocking Cladding Boards

3.3 Cladding Boards - Contemporary

Alteria Aluminium's Cladding Board - Contemporary range is available in two sizes. Each cladding board can be interlocked and creates a weather tight seal when installed correctly as per the install guide.

125mm Cladding Board

155.30 ±1.40
125.00 ±0.90
30.65 ±0.55
13.20 ±0.40

180mm Cladding Board

210.30 ±1.70
180.00 ±1.10
31.15 ±0.55
13.20 ±0.40

3.3 Cladding Boards - Contemporary

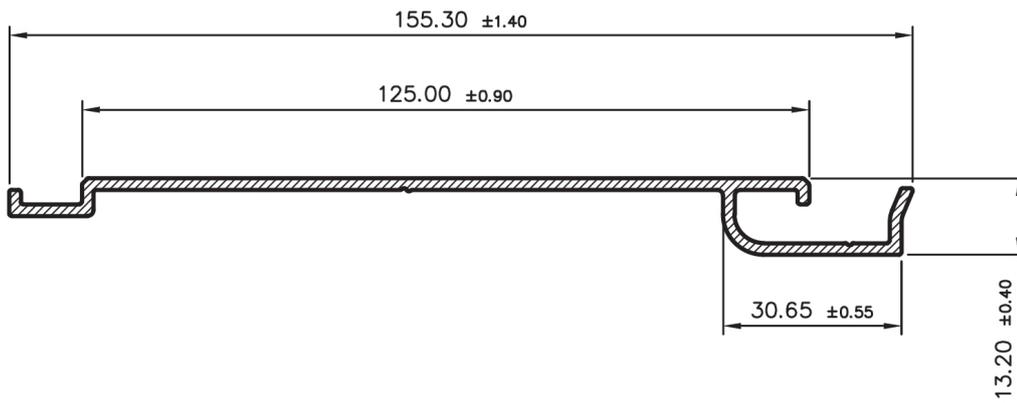|	125mm Cladding Board	180mm Cladding Board
System	Interlocking Cladding System	Interlocking Cladding System
Base Material	Aluminium	Aluminium
Grade	6060 / T5 Temper	6060 / T5 Temper
Dimensional Tolerances	As per drawings	As per drawings
Other Tolerances	In Accordance to AS/NZS 1866:1997	
Material Standards	AS/NZS 1866:1997	
Cover (with Max. Shadow Joint)	133mm	188mm
Maximum Shadow Joint	8.0mm	8.0mm
Width	155.3mm	208.35mm
Height	13.2mm	13.2mm
Standard Length*	6500mm	6500mm
Thickness	2.0mm	2.0mm
Mass	1.05kg/m	1.62kg/m
Weight (Per Length)	6.83kg	10.53kg
Lineal Meters (Per m^2)**	7.51	5.31
Stock Finish	Mill	Mill
Finish/Coating Range Options	Evoke, Meridian, Aurora, Lumi, Essentials	
Fire Certifications	AS 1530.1-1994, AS/NZS 1530.3-1999. See Section 6 for fire performance results.	
Australian Standard Compliance - AS1562.1:2018	Alteria Aluminium Cladding Systems meet the requirements of AS 1562.1:2018 - Design and Installation of Sheet Roof and Wall Cladding – Metal. See section 6 for details on Standard compliance.	

*Custom lengths available on request.

**Based on Cover with Max. Shadow Joint

Interlocking Cladding Boards

3.4 Cladding Boards - Designer

Alteria Aluminium have a range of designer boards that are available in three designs and sizes.

150mm Cove 30 Cladding Board

176.53
150.00 ±1.10
30.00
R24.40
18.20
28.65 ±0.55

150mm Cove 50 Cladding Board

150.00 ±1.10
50.00
R64.40
18.20 ±0.25
28.65
173.85 ±1.40

180mm Castellated 30 Cladding Board

203.30 ±1.40
30.00 ±0.55
30.00 ±0.55
25.80 ±0.55
13.20 ±0.25
180.00 mm

3.4 Cladding Boards - Designer

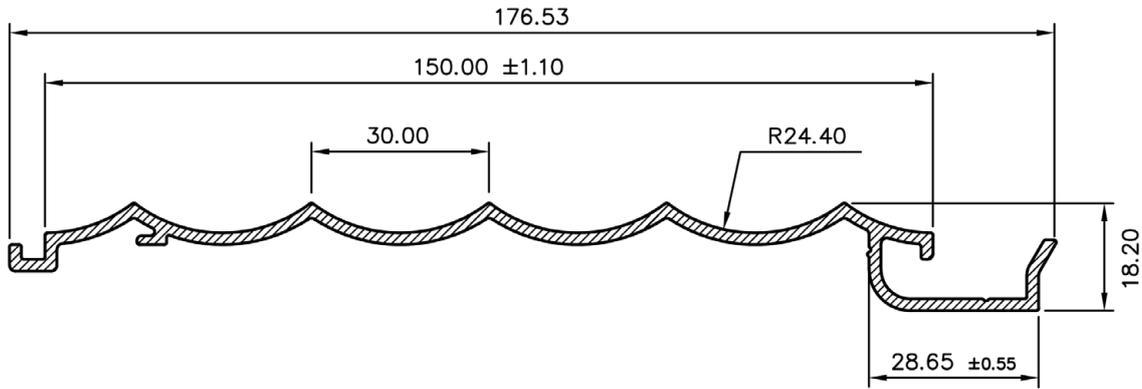|	150mm Cove 30 Cladding Board	150mm Cove 50 Cladding Board	180mm Castellated 30 Cladding Board
System	Interlocking Cladding System	Interlocking Cladding System	Interlocking Cladding System
Base Material	Aluminium	Aluminium	Aluminium
Grade	6060 / T5 Temper	6060 / T5 Temper	6060 / T5 Temper
Dimensional Tolerances	As per drawings	As per drawings	As per drawings
Other Tolerances	In Accordance to AS/NZS 1866:1997		
Material Standards	AS/NZS 1866:1997		
Cover (with Max. Shadow Joint)	158mm	158mm	188mm
Maximum Shadow Joint	8.0mm	8.0mm	8.0mm
Width	150mm	150mm	180mm
Height	11.5mm	11.5mm	12.2mm
Standard Length*	6500mm	6500mm	6500mm
Thickness	2.0mm	2.0mm	2.2mm
Mass	1.23kg/m	1.187kg/m	1.693kg/m
Weight (Per Length)	8.0kg	7.72kg	11.0kg
Lineal Meters (Per m^2)**	6.32	6.32	5.31
Stock Finish	Mill	Mill	Mill
Finish/Coating Range Options	Evoke, Meridian, Aurora, Lumi, Essentials		
Fire Certifications	AS 1530.1-1994, AS/NZS 1530.3-1999. See Section 6 for fire performance results.		
Australian Standard Compliance - AS1562.1:2018	Alteria Aluminium Cladding Systems meet the requirements of AS 1562.1:2018 - Design and Installation of Sheet Roof and Wall Cladding – Metal. See section 6 for details on Standard compliance.		

*Custom lengths available on request.

**Based on Cover with Max. Shadow Joint
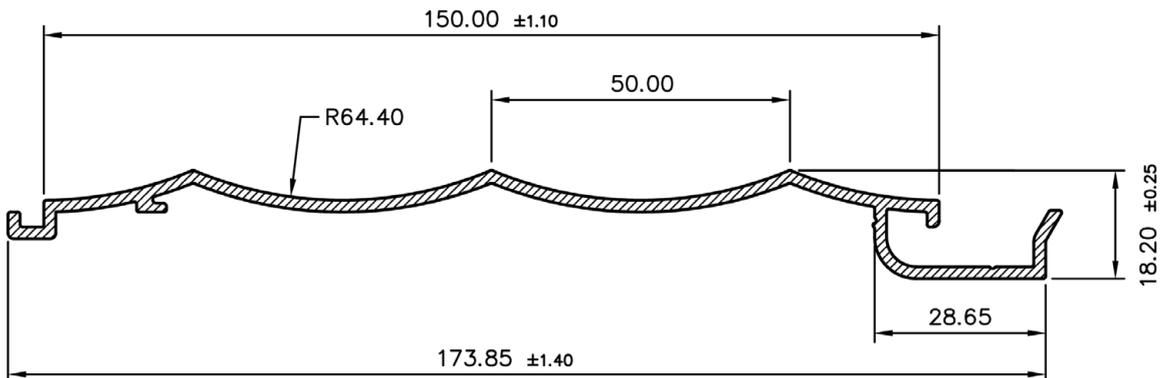
Interlocking Cladding Boards

3.5 Cladding – Accessories

To ensure an easier and seamless installation, Alteria have developed proprietary profile trims and accessories.
These include Starter and Finisher profiles, Joiner profiles and Corner Profiles suitable for Internal and External Corners.
Cladding Accessories can be used for all cladding profiles.

Starter Clip

32.55 ±0.55
14.40 ±0.25
13.20 ±0.40

Z-Support Angle

30.00
15.90 ±0.25
15.90 ±0.25

Corner - Base

45.00
45.00

Corner - Cover

45.00 ±0.40
45.00 ±0.40
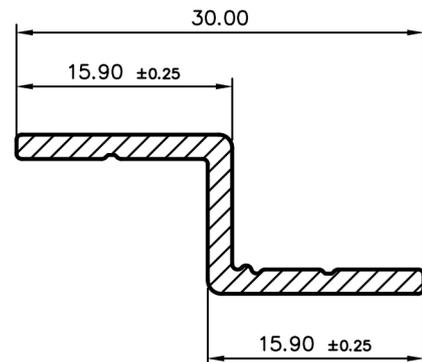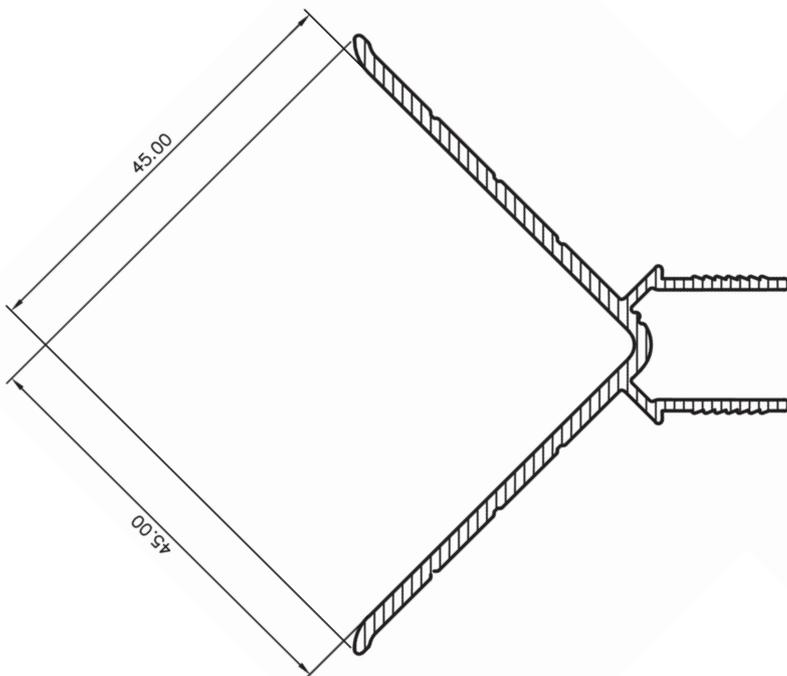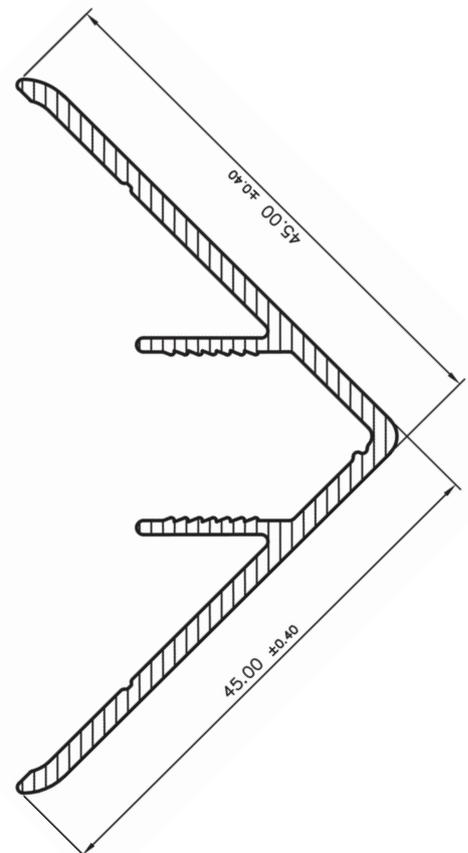
Interlocking Cladding Boards

3.5 Cladding – Accessories

Finisher - Cover

45.00 ±0.40

14.90 ±0.25

Finisher - Base

14.70 ±0.25

35.00 ±0.30

Joiner - Cover

70.00 ±0.60

15.00 ±0.25

Joiner - Base

14.60 ±0.25

43.10 ±0.40

Interlocking Cladding Boards

3.5 Cladding – Accessories

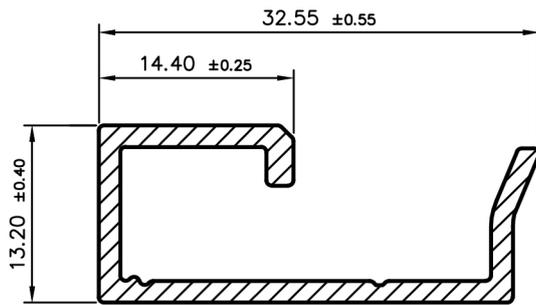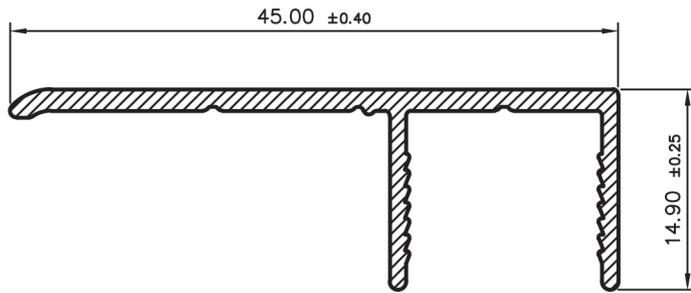|	Starter Clip	Corner - Cover	Corner - Base	Finisher - Cover	Finisher - Base	Joiner - Cover	Joiner - Base	Z - Support Angle
System	Interlocking Cladding System	Interlocking Cladding System	Interlocking Cladding System	Interlocking Cladding System	Interlocking Cladding System	Interlocking Cladding System	Interlocking Cladding System	Interlocking Cladding System
System Component	N/A	Female	Male	Female	Male	Female	Male	N/A
Base Material	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium	Aluminium
Grade	6060 / T5 Temper	6060 / T5 Temper	6060 / T5 Temper	6060 / T5 Temper	6060 / T5 Temper	6060 / T5 Temper	6060 / T5 Temper	6060 / T5 Temper
Dimensional Tolerances	As per drawings	As per drawings	As per drawings	As per drawings	As per drawings	As per drawings	As per drawings	As per drawings
Other Tolerances	In Accordance to AS/NZS 1866:1997							
Material Standards	AS/NZS 1866:1997							
Width	32.55mm	62mm	62mm	45mm	35mm	70mm	43.1mm	30mm
Height	13.2mm	32mm	47mm	14.9mm	14.7mm	15mm	14.6mm	11.8mm
Standard Length*	6500mm	6500mm	6500mm	6500mm	6500mm	6500mm	6500mm	6500mm
Thickness	1.6mm	1.8mm	1.8mm	1.6mm	1.5mm	1.6mm	1.5mm	1.8mm
Mass	0.30kg/m	0.51kg/m	0.56kg/m	0.28kg/m	0.23kg/m	0.39kg/m	0.26kg/m	0.19kg/m
Weight (Per Length)	1.95kg	3.32kg	3.64kg	1.82kg	1.50kg	2.54kg	1.69kg	1.24kg
Stock Finish	Mill	Mill	Mill	Mill	Mill	Mill	Mill	Mill
Finish/Coating Range Options	Evoke, Meridian, Aurora, Lumi, Essentials							
Fire Certifications	AS 1530.1-1994. Section 6 for fire performance results.							
Australian Standard Compliance - AS1562.1:2018	Alteria Aluminium Cladding Systems meet the requirements of AS 1562.1:2018 - Design and Installation of Sheet Roof and Wall Cladding – Metal. See section 6 for details on Standard compliance.							

*Custom lengths available on request.

Span Tables

4.1 Top Hat Span Tables for Alteria Aluminium Battens

Alteria Aluminium has developed a technical supplement that includes fastener details and maximum fixing spacing span data for the main batten / slat installation methods. The supplement has been designed to be used in conjunction with the Installation Guide and this Technical Data Sheet.

The most recent version of the *Technical Supplement: Span & Fixing Detail* document can be found on the Alteria Aluminium website at *alteria.com.au/resources*

4.2 Top Hat Span Tables for Alteria Aluminium Cladding

Alteria Aluminium has developed a technical supplement that includes fastener details and maximum fixing spacing span data for Alteria Cladding Boards. The supplement has been designed to be used in conjunction with the Installation Guide and this Technical Data Sheet.

The most recent version of the *Technical Supplement: Span & Fixing Detail* document can be found on the Alteria Aluminium website at *alteria.com.au/resources*

Finishes

5.1 Finishes Overview

Alteria offers 5 different finish options within our batten and cladding range.

Alteria Finish Range	Evoke	Meridian	Aurora	Lumi	Essentials 25	Essentials 10
Powder Coat Technology	Interpon D2525 STF	Interpon D2525 WGF	Interpon D2525 Flat Matt	Interpon D2525 Futura	Interpon D2525 Futura	Interpon D1000
Powder Type			Powder Coat - Polyester			
Finish Effect	Wood-Look	Wood-Effect	Anodised-Look	Pearlescent	Solid Colour	Solid Colour
Coating Type	Sublimated Powder Coating	Powder on Powder Coating	Powder Coating	Powder Coating	Powder Coating	Powder Coating
Signature Warranty Level	Signature 15	Signature 25	Signature 25	Signature 25	Signature 25	Signature 10
Durability Warranty	15 years*	25 years	25 years	25 years	25 years	10 years
Colour Warranty	15 years*	15 years	15 years	15 years	15 years	10 years
System Warranty	15 years	15 years	15 years	15 years	15 years	15 years
Product Use		Any building, any height. All BCA classes.				Suitable for BCA Class 1 and 10 buildings.
Performance Specifications		AAMA2604, AS371				AAMA2603, AS3715, AS4506,
Coating Thickness		60 – 80 microns / 0.1mm				50 – 70 microns
Exterior Durability		5 years Florida exposure – AAMA 2604. Excellent Performance. Colour change ΔE <5, gloss retention >30%. Chalking – no > no.8 ASTM D4214 - D659				AS3715. Excellent - pass after 12 months continuous exposure with no film breakdown or reduction in protective properties.
Colour Stability at Elevated Temperatures		Excellent for continuous exposure up to 120°C.				
Salt Spray		AAMA2604 Clause 7.8.2. ASTM B117 at 350C D1654. Pass at 3000 hrs. No corrosion >1-2 mm from scribe. Minimum blister rating 8				AS3715 Section 2.5.10. Pass 1000 hours. No corrosion creep more than 2mm from scribe
Constant Humidity Resistance		AAMA2604 Clause 7.8.1. ASTM D2247, ASTM D714. Pass at 3000 hrs – blister formation < "few" size no 8				AS3715 Section 2.5.7. Pass at 1000 hrs. No blistering or loss of adhesion
Permeability		AS3715 2002 Section 2.5.11. Pass				N/A
Sulphur Dioxide		ISO3231 (Kesternich). Pass - no blistering, loss of gloss or discolouration.				N/A
Chemical Resistance		Generally good resistance to acids, alkalis and oils at normal temperatures				N/A
Fire Properties – Coating Only		Interpon D2525 Flame Propagation Testing. AS/NZS 1530.3 – 1999. Spread of Flame – 0. Heat Evolved Index – 0 See Section 6.0 for full Alteria fire performance details				

* Refer to Alteria Warranty document for full details.

Interpon Product Data Sheets and Material Safety Data Sheets available on request.

Finishes

5.2 Evoke Range

The Evoke range offers a striking wood-look powder coat finish that is beautiful, realistic and extremely low maintenance.

Finish Colours

American Walnut	Black Walnut	Spotted Gum	Spruce
Dark Ash	Driftwood	Western Red Cedar	White Oak
Ironbark	Natural Oak	Cuban Cedar	Cypress Pine
Queensland Kwila	Silver Acacia	Ebony Blackwood	European Oak
Tasmanian Oak	True Fir	Natural White Ash	Osage

Finish Colour Properties

Finish Name	Colour Code	Finish	Finish Name	Colour Code	Finish
White Oak	AE101S	Wood-Look	True Fir	AE111S	Wood-Look
Spruce	AE102S	Wood-Look	Cuban Cedar	AE112S	Wood-Look
Osage	AE103S	Wood-Look	Western Red Cedar	AE113S	Wood-Look
Natural White Ash	AE104S	Wood-Look	Ironbark	AE114S	Wood-Look
Driftwood	AE105S	Wood-Look	American Walnut	AE115S	Wood-Look
European Oak	AE106S	Wood-Look	Black Walnut	AE116S	Wood-Look
Silver Acacia	AE107S	Wood-Look	Queensland Kwila	AE117S	Wood-Look
Natural Oak	AE108S	Wood-Look	Spotted Gum	AE118S	Wood-Look
Tasmanian Oak	AE109S	Wood-Look	Dark Ash	AE119S	Wood-Look
Cypress Pine	AE110S	Wood-Look	Ebony Blackwood	AE120S	Wood-Look

Finishes

5.3 Meridian Range

The Meridian range offers a beautiful wood-effect that provides maximum durability and realistic definition.

Finish Colours

American Red	Ashen	Auburn	Autumn Oak
Brown Ash	Charcoal	Chocolate Oak	Dark Oak
Golden Oak	Ivory Oak	Light Ash	Red Cedar

Finish Colour Properties

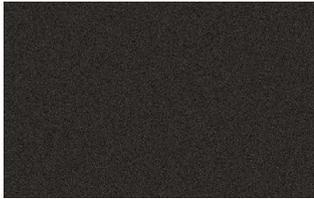| Finish Name	Colour Code	Finish
Ivory Oak	AM201P	Wood-Effect
Light Ash	AM202P	Wood-Effect
Ashen	AM203P	Wood-Effect
American Red	AM204P	Wood-Effect
Brown Ash	AM205P	Wood-Effect
Golden Oak	AM206P	Wood-Effect
Auburn	AM207P	Wood-Effect
Red Cedar	AM208P	Wood-Effect
Autumn Oak	AM209P	Wood-Effect
Chocolate Oak	AM210P	Wood-Effect
Dark Oak	AM211P	Wood-Effect
Charcoal	AM212P	Wood-Effect

Finishes

5.4 Aurora Range

The Aurora range includes an alluring selection of anodised-look colours with a beautiful metallic flat matt finish.

This range uses Interpon Flat Matt, a series of advanced durability powder coatings specifically designed to give a low gloss "anodised" appearance on architectural aluminium components. Providing outstanding weathering resistance, Interpon Flat Matt typically exceeds the requirements of AAMA2604.

Finish Colours

Black Shimmer	Deep Bronze Shimmer	Gold Rush Glow	Golden Glitz
Latte Glow	Linen Shimmer	Mid Bronze Shimmer	Scintillating Champagne

Finish Colour Properties

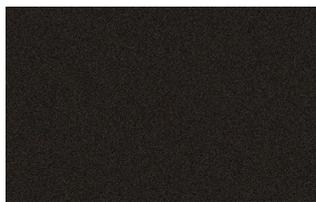| Finish Name	Colour Code	Finish	R	G	B	LRV
Linen Shimmer	AA301FM	Flat Matt	222	224	218	73%
Gold Rush Glow	AA302FM	Flat Matt	169	141	95	27%
Golden Glitz	AA303FM	Flat Matt	133	119	92	22%
Scintillating Champagne	AA304FM	Flat Matt	135	127	114	25%
Latte Glow	AA305FM	Flat Matt	103	99	88	15%
Mid Bronze Shimmer	AA306FM	Flat Matt	87	80	66	11%
Deep Bronze Shimmer	AA307FM	Flat Matt	67	65	56	6%
Black Shimmer	AA308FM	Flat Matt	48	53	51	4%

Finishes

5.5 Lumi Range

Our Lumi range offers a decorative collection of pearlescent colours with a shimmering matt finish.

This range uses Interpon D2525 Futura™ is a series of advanced durability powder coatings specifically designed for use on architectural aluminium components. Providing new levels of weathering resistance, Interpon D2525 Futura™ typically exceeds the requirements of AAMA2604.

Finish Colours

Ash Pearl
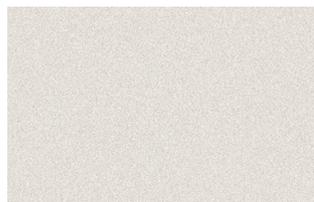
Dove Grey Pearl

Espresso Bronze Pearl

Pearl Champagne

Pebble Pearl

Silver Pearl

Slate Bronze Pearl

Steel Pearl

Finish Colour Properties

Finish Name	Colour Code	Finish	R	G	B	LRV
Silver Pearl	AL401M	Matt	177	182	178	42%
Dove Grey Pearl	AL402M	Matt	178	180	172	41%
Pebble Pearl	AL403M	Matt	173	164	144	36%
Pearl Champagne	AL404M	Matt	154	138	126	29%
Steel Pearl	AL405M	Matt	97	101	96	13%
Ash Pearl	AL406M	Matt	63	65	62	6%
Slate Bronze Pearl	AL407M	Matt	93	93	88	13%
Espresso Bronze Pearl	AL408M	Matt	77	71	56	8%

Finishes

5.6 Essentials 25 Range

The Essentials 25 Range includes a selection of Colorbond and solid colours with an advanced durable finish.

This range uses Interpon D2525 Futura™ and offers a series of advanced durability powder coatings specifically designed for use on architectural aluminium components. Providing new levels of weathering resistance, Interpon D2525 Futura™ typically exceeds the requirements of AAMA2604.

Finish Colours

| Basalt® | Charcoal | Drift Grey | Monument® |

| Night Sky® | Pearl White | Surfmist® | Woodland Grey® |
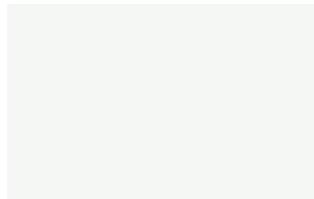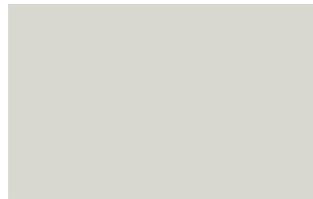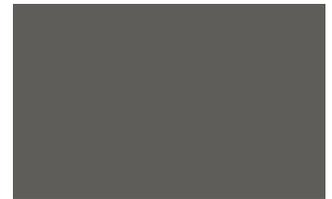
Finish Colour Properties

Finish Name	Colour Code	Finish	R	G	B	LRV
Pearl White	AE501M	Matt	249	255	255	89%
Surfmist®	AE502M	Matt	214	218	212	71%
Drift Grey	AE503M	Matt	208	213	210	58%
Woodland Grey®	AE504M	Matt	86	89	83	12%
Basalt®	AE505FM	Flat Matt	82	87	8	12%
Monument®	AE506M	Matt	62	59	56	8%
Charcoal	AE507M	Matt	60	67	69	6%
Night Sky®	AE508M	Matt	49	54	51	4%

Finishes

5.7 Essentials 10 Range

The Essentials 10 range includes a selection of Colorbond and solid colours with durable finish and a 10 year warranty.

This range uses Interpon D1000 and is designed for the exterior environment offering excellent long term light and weather resistance. Interpon D1000 is designed to meet or exceed the performance requirements of AS3715.

Finish Colours

Basalt®	Charcoal	Drift Grey	Monument®
Night Sky®	Pearl White	Surfmist®	Woodland Grey®
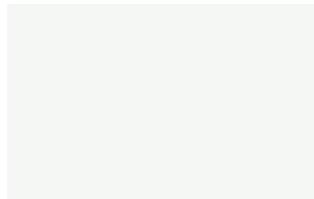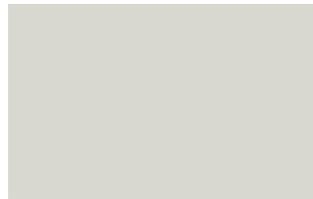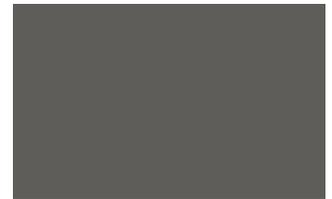
Finish Colour Properties

Finish Name	Colour Code	Finish	R	G	B	LRV
Pearl White	AE501M-10	Gloss	249	255	255	89%
Surfmist®	AE502M-10	Matt	214	218	212	71%
Drift Grey	AE503M-10	Matt	208	213	210	58%
Woodland Grey®	AE504M-10	Matt	86	89	83	12%
Basalt®	AE505M-10	Matt	82	87	8	12%
Monument®	AE506M-10	Matt	62	59	56	8%
Charcoal	AE507M-10	Satin	60	67	69	6%
Night Sky®	AE508M-10	Matt	49	54	51	4%

Compliance & Certifications

6.1 Compliance & Certifications - Battens

NCC Compliance

The National Construction Code of Australia (NCC) sets the minimum requirements for safety, health, amenity, and sustainability in the design and construction of new buildings and building work in existing structures across Australia.

Alteria Aluminium battens and slats have been designed, tested, and manufactured to withstand the country's demanding climatic and geographic conditions. They offer building designers, builders, and owners with confidence that they are specifying a product that meet the requirements of the National Construction Code of Australia and the relevant Australian Standards for both residential and non-residential buildings.

Alteria Aluminium Battens have been tested to comply with the following BCA Provisions:

Wind Load Specifications

Alteria have demonstrated through certification in accordance with the below standards that Alteria Aluminium meets compliance with AS 1562.1 and F3D5 & H2D6(4).

Standard	Reviewed by	Date	NCC Provision	Result
AS/NZS 1170.0:2002	Robust Engineering Pty Ltd	Mar 2025	AS 1562.1 and DTS F3D5 & H2D6(4).	Creation of Maximum fixing spacing tables that provides calculations in relation to the maximum batten spacing / fixing spacing tables for the purposes of meeting compliance with AS 1562.1 and F3D5 & H2D6(4).
AS/NZS 1170.1:2002	Robust Engineering Pty Ltd	Mar 2025	AS 1562.1 and DTS F3D5 & H2D6(4).	
AS/NZS 1170.2:2021	Robust Engineering Pty Ltd	Mar 2025	AS 1562.1 and DTS F3D5 & H2D6(4).	
AS/NZS 1664.1 - 1997	Robust Engineering Pty Ltd	Mar 2025	AS 1562.1 and DTS F3D5 & H2D6(4).	

A copy of the *Technical Supplement: Span & Fixing Detail - Battens & Slats* document can be found on the Alteria Aluminium website at alteria.com.au/resources

Non-Combustible Building Elements

Alteria Aluminium comply with NCC deemed to satisfy provisions for C2D10(1)(a) (Volume 1) and H3D2 (Volume 2) for Non-combustible building elements and have the received testing reports from accredited testing laboratories.

Standard	Reviewed by	Date	NCC Provision	Result
AS 1530.1-1994	CSIRO	Oct, 2023	DTS C2D10 & DTS H3D2	Combustibility Test for Material demonstrates the product Alteria Aluminium is NOT deemed COMBUSTIBLE
AS 1530.3-1999	CSIRO	Dec, 2023	DTS C2D10	**Ignitability Index**: 0 **Spread of Flame Index**: 0 **Heat Evolved Index**: 0 **Smoke Developed Index:** 2

Fire Hazard Properties

Alteria Aluminium comply with NCC deemed to satisfy provisions for C2D11 for Fire Hazard Properties and have the received testing reports from accredited testing laboratories.

Standard	Reviewed by	Date	NCC Provision	Result
AS 5637.1-2015	BRANZ	Nov, 2023	DTS C2D11	**Classification** Group 1 **Smoke Growth Rate Index** Less than 250 m2/kg limit **Mean Average specification Extinction Area** 138.9 m2/kg
AS 1530.3-1999	CSIRO	Dec, 2023	DTS C2D11	**Ignitability Index**: 0 **Spread of Flame Index**: 0 **Heat Evolved Index**: 0 **Smoke Developed Index**: 2

For more information or a copy of our certifications, please contact us on 1300 25 88 25 or support@alteria.com.au

6.2 Compliance & Certifications - Claddings

NCC Compliance

The National Construction Code of Australia (NCC) sets the minimum requirements for safety, health, amenity, and sustainability in the design and construction of new buildings and building work in existing structures across Australia.

Alteria Aluminium claddings have been designed, tested, and manufactured to withstand the country's demanding climatic and geographic conditions. They offer building designers, builders, and owners with confidence that they are specifying a product that meet the requirements of the National Construction Code of Australia and the relevant Australian Standards for both residential and non-residential buildings.

Alteria Aluminium claddings have been tested to comply with the following BCA Provisions:

- Weatherproofing - Wall Cladding - see below

- Non-Combustible Building Elements - see pg 6

- Fire Hazard Properties - see pg 6

Weatherproofing – Wall Cladding complying with AS 1562.1

Alteria Aluminium comply with NCC deemed to satisfy provisions for F3D5 (Volume 1) and H2D6 (Volume 2) for Weatherproofing – Wall Cladding, complying with AS1562.1

Alteria's cladding system meets the requirements of AS 1562.1 when installed according to these guidelines.

Standard	Reviewed by	Date	NCC Provision	Result
AS 1562.1:2018	Acronem Consulting Australia Pty Ltd	Mar 2025	AS 1562.1 and DTS F3D5 & H2D6(4).	Appraisal Report* providing certification that Alteria Cladding System is in accordance with the below Wind Load specifications & AS 1562.1:2018 and demonstrates that the product is compliant with AS 1562.1 and F3D5 & H2D6(4)

Wind Load Specifications

Alteria have demonstrated through certification in accordance with the below standards that Alteria Aluminium meets compliance with AS 1562.1 and F3D5 & H2D6(4).

Standard	Reviewed by	Date	NCC Provision	Result
AS/NZS 1170.0:2002	Acronem Consulting Australia Pty Ltd	Mar 2025	AS 1562.1 and DTS F3D5 & H2D6(4).	Creation of Maximum Fixing Spacing Table Report* that that provides calculations in relation to the maximum batten spacing / fixing spacing tables for the purposes of meeting compliance with AS 1562.1 and F3D5 & H2D6(4)
AS/NZS 1170.1:2002	Acronem Consulting Australia Pty Ltd	Mar 2025	AS 1562.1 and DTS F3D5 & H2D6(4).	
AS/NZS 1170.2:2021	Acronem Consulting Australia Pty Ltd	Mar 2025	AS 1562.1 and DTS F3D5 & H2D6(4).	
AS/NZS 1664.1 - 1997	Acronem Consulting Australia Pty Ltd	Mar 2025	AS 1562.1 and DTS F3D5 & H2D6(4).	

A copy of the *Technical Supplement: Span & Fixing Detail - Battens & Slats* document can be found on the Alteria Aluminium website at alteria.com.au/resources

Compliance & Certifications

6.2 Compliance & Certifications - Claddings (continued)

Non-Combustible Building Elements

Alteria Aluminium comply with NCC deemed to satisfy provisions for C2D10(1)(a) (Volume 1) and H3D2 (Volume 2) for Non-combustible building elements and have the received testing reports from accredited testing laboratories.

Standard	Reviewed by	Date	NCC Provision	Result
AS 1530.1-1994	CSIRO	Oct, 2023	DTS C2D10 & DTS H3D2	Combustibility Test for Material demonstrates the product Alteria Aluminium is NOT deemed COMBUSTIBLE
AS 1530.3-1999	CSIRO	Dec, 2023	DTS C2D10	**Ignitability Index**: 0 **Spread of Flame Index**: 0 **Heat Evolved Index**: 0 **Smoke Developed Index**: 2

Fire Hazard Properties

Alteria Aluminium comply with NCC deemed to satisfy provisions for C2D11 for Fire Hazard Properties and have the received testing reports from accredited testing laboratories.

Standard	Reviewed by	Date	NCC Provision	Result
AS 5637.1-2015	BRANZ	Nov, 2023	DTS C2D11	**Classification** Group 1 **Smoke Growth Rate Index** Less than 250 m2/kg limit **Mean Average specification Extinction Area** 138.9 m2/kg
AS 1530.3-1999	CSIRO	Dec, 2023	DTS C2D11	**Ignitability Index**: 0 **Spread of Flame Index**: 0 **Heat Evolved Index**: 0 **Smoke Developed Index**: 2

For more information or a copy of our certifications, please contact us on 1300 25 88 25 or support@alteria.com.au

Warranty

7.1 Warranty Overview

Alteria products are built to last and are made in Australia using quality components. By following the care and maintenance instructions, Alteria Aluminium Systems are covered by one of our Signature Warranties.

Alteria Signature Warranties are separated into three levels and are available based on the finish selected and the location of your project.

For full warranty overview visit alteria.com.au/warranty

AVAILABLE WITH:

Meridian Range

Aurora Range

Lumi Range

Essentials 25 Range

AVAILABLE WITH:

Evoke Range

AVAILABLE WITH:

Essentials 10 Range*

*Essentials 10 Warranty is only applicable for BCA Class 1 & 10 Buildings (Single domestic residential dwelling up to 3 storeys).

Care & Maintenance

8.1 Maintenance Requirements

Cleaning should start at the time the products are installed, ensuring that construction materials such as concrete, plaster and paint splashes are removed before they have a chance to dry.

The frequency of cleaning depends in part on the standard of appearance that is required and also the need to remove deposits that could cause damage during prolonged contact with either the powder film or the metal substrate (if exposed).

Please Refer to the table below for recommended cleaning requirements. The classification of exterior environments is as defined in AS4312- 2008.

Refer to the Alteria Care & Maintenance Guide for full cleaning requirements.

Category (AS4312)	Corrosivity Level	Environmental Type	Minimum Cleaning Requirements
C1 & C2	Very Low & Low	Non-hazardous Environment	Every 12 months
C3/T	Medium	Typical Environment	Every 12 months
C4	High	Swimming & Leisure Pools / Light Industrial	Every 6 months
C4	High	Coastal Environment	Every 6 months
C5-M	Very High	Beach Front / Marine	Every 3 months
C5-I	Very High	Heavy Industrial Environment	Every 3 months

If you are unsure as to what conditions your project fits into, please contact Alteria.

Disclaimer
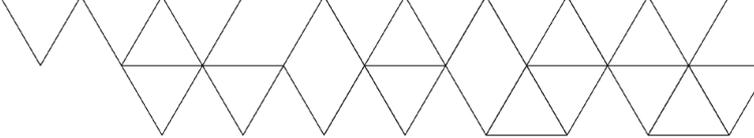
The information in this document is a guide only. It is intended for use by builders, cladding installers and other contractors who may be involved with the installation of the Alteria Aluminium fixing system.

If you are an installer ensure that you follow the design, moisture management detail, preparation requirements and materials as set out by the designer. If you are a specifier or a responsible party for the project, please ensure the information in this manual is appropriate for the application you are planning.

As all project conditions are unique, there are likely to be variations to how this product is used, which can affect the use and quality of the products, as such no warranty is given or implied with respect to such situations.

As most of our projects are supply only, we do not have access to all details relating to the final product application, and as such, we can not be held liable for ensuring "fit for purpose" on any given project.

This document is for technical advice only. Alteria cannot accept liability for any inaccurate information within this document or the consequential losses that occur as a result.

Alteria's policy is on of continuous improvement. We therefore reserve the right to alter specifications at any time and without notice. Colours and textures may vary according to light and weather conditions. Owing to this and limitations of the printing process, colours in this brochure may vary.

Please ensure that you have the latest version of this publication by checking that the publication date corresponds with the downloadable version from our website at www.alteria.com.au

In case of doubt, please contact Alteria.

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