

The UK's Original **NON-COMBUSTIBLE** Aluminium Decking System



ALi:RAi:L | ALi:CLAD | ALi:PAVE

Introducing The World's First Fully-Compliant A1 Rated Complete Aluminium Decking System

USES INCLUDE:

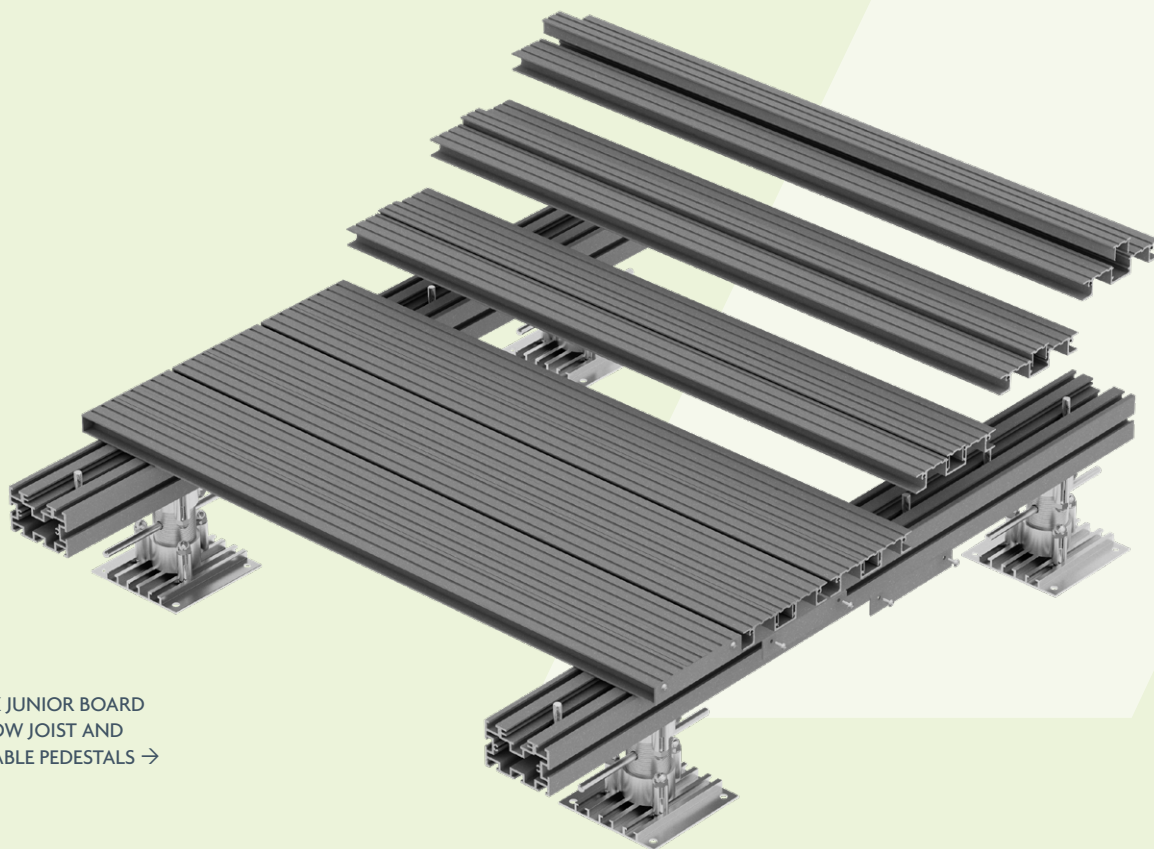
Balconies • Walkways

Bridges • Steps • Terraces

Commercial Areas • Raised Platforms

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ALIDECK JUNIOR BOARD
WITH LOW JOIST AND
ADJUSTABLE PEDESTALS →

An introduction to ALIDECK

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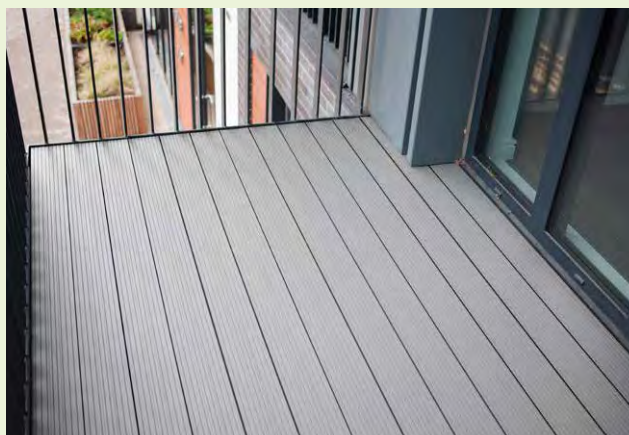
AliDeck aluminium decking is your total peace-of-mind solution for all non-combustible metal decking requirements on balconies, terraces, walkways, and more.

Developed with the benefit of decades of experience in aluminium extrusion, the AliDeck range is fully-compliant with all recent fire legislation changes, fully tested and certified for slip and wear resistance, and comes with a 30 year product warranty.

Continually innovating, AliDeck are proud to add the AliPave balcony paving system, the AliClad soffit cladding system, and the AliRail balustrade system to our range of products. Off-the-shelf specification of balcony components is now achievable for architects, developers, and steel fabricators.

AliDeck is the one-stop-shop for your balcony decking, cladding, and balustrade requirements.

AliDeck is ideal for steel or concrete balconies, or the retrofit and timber replacement market. AliDeck is the right choice for metal decking.



About ALIDECK

Manufacturer of the most complete balcony decking, cladding, and balustrade systems in the UK.

AliDeck is your total peace-of-mind solution for all non-combustible decking, cladding, and balustrade requirements on balconies, terraces and walkways.

Developed with the benefit of decades of experience in aluminium extrusion, the AliDeck range of products is fully-compliant with all recent fire legislation changes, fully tested and certified for slip and wear resistance, and comes with a 30 year product warranty.

The AliDeck Story

As part of the Milwood Group of Companies, AliDeck's founders have decades of experience in manufacturing, supplying and installing aluminium outdoor living products. Here's the story of how they developed and took to market the most innovative and complete aluminium decking system in the UK.

“

Our first decking product was our anti-slip Class B Board. This board was designed with rubber inserts in order to provide an unrivalled level of slip-resistance performance, a crucial safety factor considering its intended deployment to schools and public areas as well as domestic settings. Launched with the AliDeck Supa Joist, our first complete decking system was warmly received by our clients and saw healthy sales and many installations.

We then developed a more cost-effective 100% aluminium decking board, our Interlocking Board, forgoing the rubber inserts which added to the production and install cost of the Class B Board. Designed for compatibility with the Supa Joist, the Interlocking Board delivered a seamless finish, hid the fixings as did the Class B Board, and allowed for very fast decking installations. This board proved highly popular and made a big impact in the market, so much so that we were approached by a steel balcony fabricator who wanted to use the board on their balconies.

We submitted the board for fire-resistance testing to ensure that it met the specification

of their customers and were delighted to receive an A-rating for fire-safety, satisfying requirements.

With the Interlocking Board providing a sealed surface, with no gaps between the boards, the question of drainage was raised by our steel balcony fabricators. Our in-house Research & Development team went back to the drawing board and soon came up with a proposal for a whole new approach to decking boards, utilising smart extruded profile design to introduce a gap between each board once installed for drainage. Another novel feature was our quick-fit through-the-board fixing method, hidden by a clip-in cover running the length of each board. This simple but ingenious idea removed the need for fiddly fixings between each board or using awkward fixing clips and really sped up installation. The new AliDeck System was launched with 30mm and 20mm boards and a range of joists and pedestals, allowing incredible flexibility for various build-up heights.

This innovative new range was a hit with balcony fabricators across the UK and the rest, as they say, is history!

”

Richard Izzard
AliDeck Managing Director.



Serving Architects, Developers, Contractors, and Steel Fabricators

AliDeck are dedicated to supplying a best-in-class service to all segments of the construction industry and our products and practices have been tailored and designed with the trade in mind.

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Architects



AliDeck have developed crucial tools and workflows to support architects in the specification of non-combustible aluminium products to their balcony, walkway, and terrace projects.

With our products listed on NBS Source and BIM Library, our in-house design team available for bespoke specification, and our comprehensive library of technical and testing data, AliDeck make it easy for architects to easily specify any development.

Contractors

The AliDeck System has been designed from the ground up to deliver quick and easy installation, with time and motion studies showing up to 50% quicker install than timber decking.

Contractors are able to rely on detailed technical and installation support from AliDeck, with guides available for all of our systems. We also offer hands-on experience for our customers at our Training Academy in Rochester, a free-of-charge service for total peace-of-mind.

Developers

AliDeck's commitment to continual development and refining of our range of products has resulted in the most complete and versatile systems in the market.

Whatever the development, AliDeck products are able to seamlessly integrate into construction. Fully certificated for fire, slip, and wear resistance, compliance with legislation and building regulations is assured.

Steel Fabricators

The AliDeck range of decking, cladding, and balustrades has been designed with steel fabricators in mind. Understanding the construction workflow for steel balconies has allowed us to tailor our products to this sector.

Providing off-the-shelf balcony specification solutions, Steel Fabricators are able to save time and money by utilising AliDeck for their balcony components. A Rated for fire resistance, AliDeck products help to easily achieve fully-compliant steel balconies.

AliDeck, the Most Complete Decking Solution for **STEEL & CONCRETE BALCONIES**

Non-combustible, slip-resistant, highly-durable AliDeck Aluminium Decking is the perfect fully-compliant choice for your balcony decking.

6 Following recent building regulation changes, it is now mandatory for all materials used in the external envelope of a building at height to be non-combustible. This is a major change for the industry and property owners to adapt to but wholly necessary in light of the tragedy at Grenfell Tower. The ramifications for balcony construction are clear but understanding all the available options and their wider compliance, safety, and cost implications is no easy task.

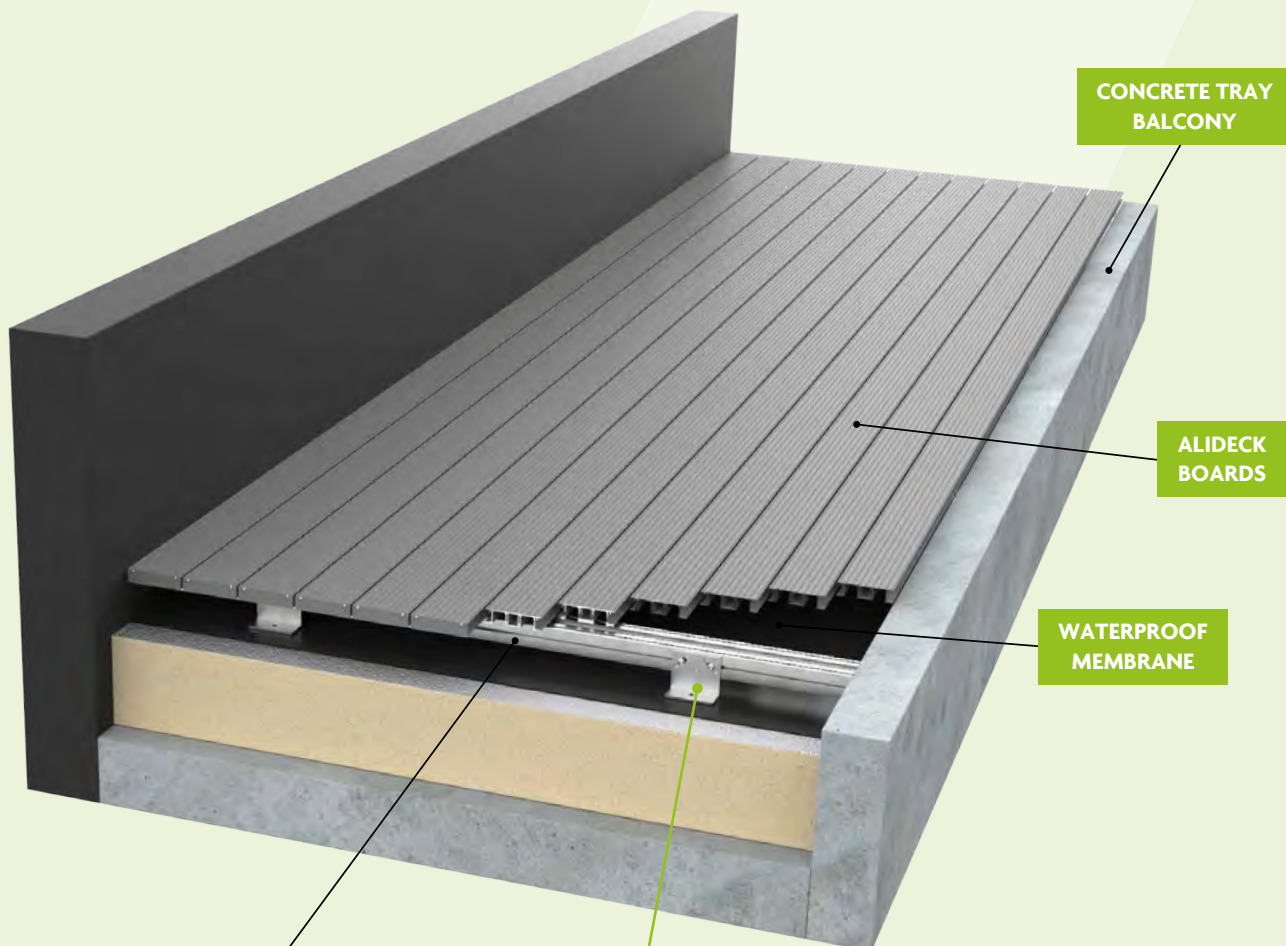
You will be pleased to learn, then, that we have the answer to this problem; the **AliDeck System**.

The AliDeck System is a fully-certified and regulation-compliant range of products. With a host of 20mm and 30mm decking boards available in flat or ridged specification, along with various support joists and pedestals, the AliDeck System is appropriate for any steel or concrete balcony application.

With an in-house R&D and Mechanical Engineering resource, AliDeck have been able to continually refine and evolve our offering to be at the forefront of the shift in the construction industry away from combustible materials and towards the safety, durability, and versatility of aluminium metal decking.



When deciding on the best options to choose for concrete balconies or terrace areas it is important to have a range of solutions to deal with differing height build-ups. We have developed systems that can be installed on to waterproof membranes that are either level or laid to fall, we have systems that can cope with fragile point loads, multi-directional falls or even extremely low build-up heights, and what's more all of our systems are compliant to A1 and A2fl-s1 for complete peace of mind.

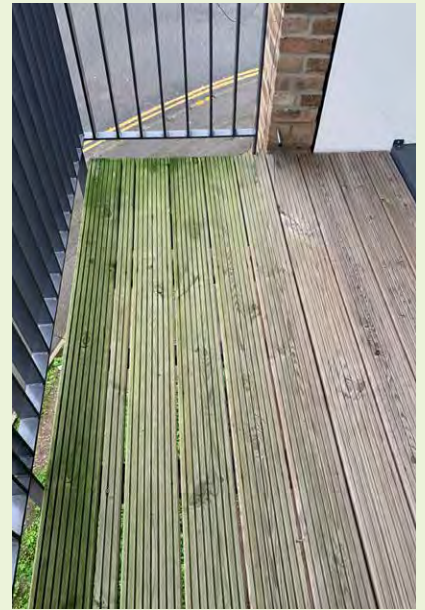


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ALIDECK ADJUSTABLE PEDESTAL BRACKETS CAN BE USED WITH FIRE RETARDANT TAPE TO CUSHION THE BRACKET AND AID WITH INSTALLATION

AliDeck, the Ideal Replacement Solution For **TIMBER OR COMPOSITE DECKING**



Non-combustible, rot-resistant, and highly-durable AliDeck Aluminium Decking is the perfect fully-compliant replacement for flammable timber or composite.

8

With property owners across the country now required to replace all combustible materials in the external envelope of their buildings, the question of how to cost-effectively replace non-combustible timber or composite balcony and terrace decking is at the forefront.

Luckily, we have the perfect timber or composite replacement solution for you; the **AliDeck System**.

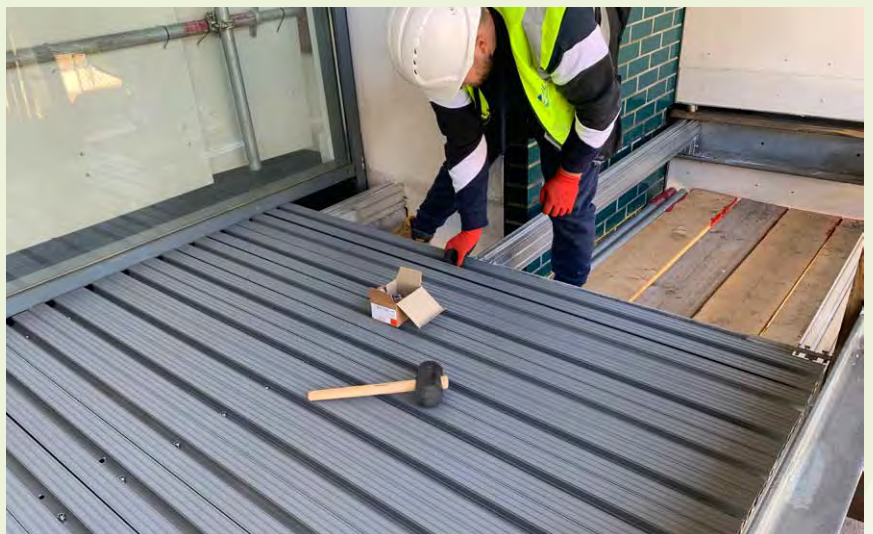
The AliDeck System is fast-becoming the go-to solution for retrofit and

replacement on balconies, terraces, and walkways. Designed for ease-of-installation, the quick-fit AliDeck System consists of a wide-range of inter-compatible decking boards and joists to cope with any situation uncovered when you remove your non-compliant timber or composite decking.

AliDeck recently launched our cost-effective, low-profile AliDeck Lite Board which was designed specifically for retrofit and replacement purposes. The Lite Board delivers a non-combustible,

quick-fit timber or composite replacement decking solution that is tailor-made for property owners looking for the most cost-effective way to achieve compliance with new fire-safety legislation.

AliDeck developed the low-profile Lite Board following conversations with public sector property managers desperate to source a technically and commercially viable solution for essential upgrade works.





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Composite and timber is no longer compliant for use on balconies and must be removed and replaced.

SAFETY TESTING & CERTIFICATION

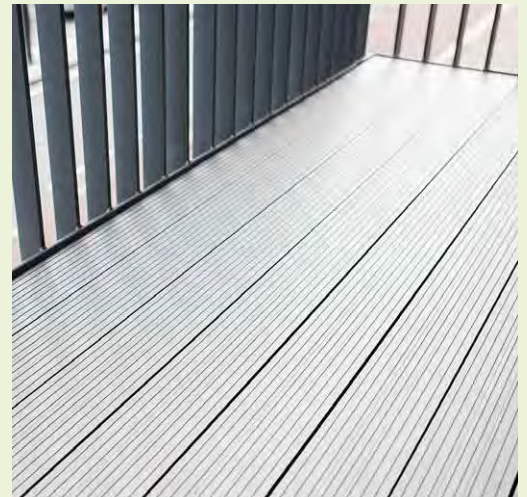
AliDeck is committed to providing total peace-of-mind to our customers when committing to use our range of aluminium metal decking products in their projects.

Accordingly, we are delighted to publish and share the results of our extensive product testing on fire safety, slip resistance, and wear resistance.



Slip Resistance

AliDeck recognises that safety extends beyond simply achieving compliance with fire legislation and that all aspects of safe use of our products must be demonstrated. Accordingly, we have submitted all AliDeck decking boards to slip resistance testing. Independently tested to BS7976 Part 2, the AliDeck System was subjected to Calibrated Certificated Portable Pendulum Instrument tests in three different directions in wet and dry conditions. All AliDeck boards were found to pose a “Low Risk” for slips in all conditions, the highest rating achievable.



Wear Resistance

AliDeck is passionate about producing products that are not only safe but are able to sustain decades of reliable use. As such, we have submitted all AliDeck decking boards to accelerated wear testing. Independently tested to SATRA TM391:2016, the AliDeck System was subjected to Biomechanical Abrasion Of Flooring Materials testing. With 100,000 footfalls simulated by a Standard Shoe machine apparatus and with observations made at every 25,000 footfalls, no

wear of the AliDeck board surface was recorded at all and only “Very Slight” sole marking was observed after 100,000 footfalls. For reference, 100,000 footfalls is the equivalent of a person taking 10 steps on their balcony every day for 27 years. Additionally, AliDeck boards were submitted to the “Chair Leg” Wear Test, recording no effect other than “Very Slight” transfer of brass with 70KG and 100KG mass applied.



**A1 &
A2fl-s1
FIRE
RATED**



Fire Resistance

AliDeck is dedicated to producing non-combustible, fire-resistant aluminium decking systems to ensure safety and full compliance with legislation. Independently tested to EN 13823, EN 13501 and EN ISO 1716, the AliDeck System achieves Fire Ratings of A1 and A2fl-s1, satisfying all fire-safety legislation and ensuring compliance for new build and renewal projects.

Following the Grenfell tragedy, there is a far greater scrutiny on fire safety in high-rise buildings. It is absolutely essential that all materials used in the external envelope are non-combustible. AliDeck's fire resistance certification provides our customers with the peace-of-mind that they are investing in a compliant non-combustible solution.



The AliDeck SENIOR BALCONY BOARD

ALSO
AVAILABLE IN
FLAT DESIGN
(SEE PAGE 15)

Benefits include:



ALL ALUMINIUM



HEAT RESISTANT



DURABLE
TEXTURED FINISH



LOW
MAINTENANCE



RECYCLABLE



STABLE IN ALL
WEATHER CONDITIONS

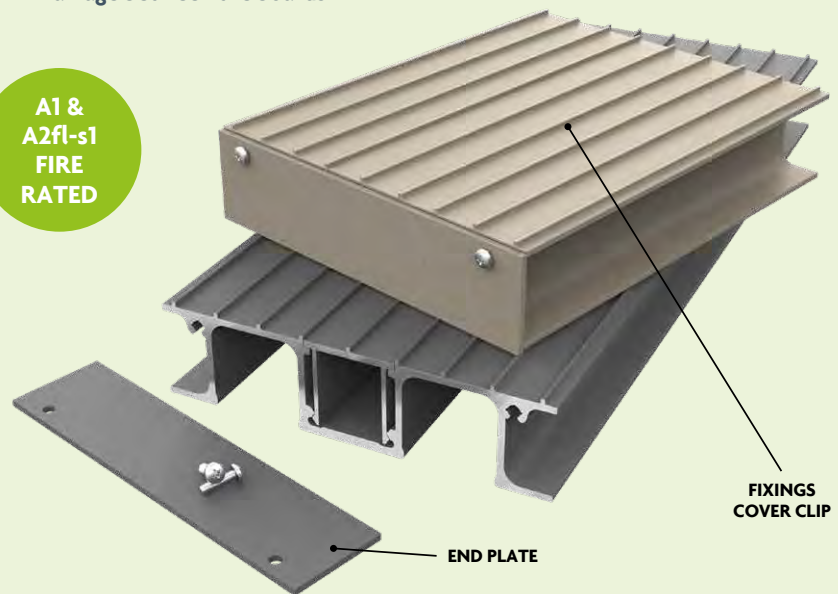


A1 & A2fl-s1
FIRE RATED

The AliDeck Senior Balcony Board is our premium non-combustible aluminium balcony decking product, with excellent spanning capabilities and fully tested for Fire, Slip, and Wear Resistance. It benefits from the following features;

- The ability to cut it to the correct width
- It is fire resistant to A1 and A2fl-s1
- You can install 90% of the deck board prior to the installation of the balcony if required, once the balcony is installed you can then install the remaining boards
- The ability to be installed on to existing sub frame sections without having to drill additional holes
- Drainage between the boards

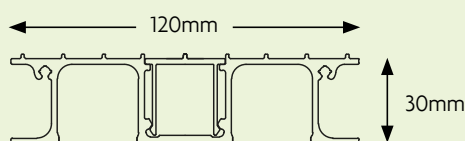
A1 &
A2fl-s1
FIRE
RATED



PRODUCT SPECIFICATION

- Fire Rated: A1 & A2fl-s1
- Dimensions: 120mm x 30mm
- Compliance: Commercial Tread Specification
- Material: 6063 T6 aluminium 30% minimum recycled
- Colours: Full Range of AliDeck Colours
- Stock Extrusion Length: 4m & 6m
- Span: 1200mm
- Slip Resistance Tested – Exceeds minimum wet and dry

Dimensions



1 FIRE RESISTANCE

The boards are manufactured completely from aluminium and are therefore fire resistant and non-combustible to **A1** and **A2fl-s1** when coated.

2 DRAINAGE

They can also be spaced to allow for varying drainage requirements and are compatible with the AliDeck Balcony Drainage System.

3 SLIP RESISTANCE

DIRECTION	CONDITION				1	2	3	4	5	MEAN	PREV	RISK
A	Dry	100	100	100	100	100	100	100	100	100	0	Low
A	Wet	85	86	85	85	84	84	83	82	84	0	Low
B	Dry	76	79	78	78	77	77	76	77	77	0	Low
B	Wet	48	47	46	46	45	44	44	44	45	0	Low
C	Dry	99	99	98	97	97	96	95	97	96	0	Low
C	Wet	59	58	57	56	55	54	54	53	54	0	Low

Pendulum Test Values (PTVs) - Low Slip Potential 35+ | Moderate Slip Potential 25-35 | High Slip Potential 0-25

4 INSTALLATION

Speed and ease of installation are key to any project, so we have designed a board that has a unique invisible (structural) top clip system which can be installed from the top down. The board can also be trimmed down the length to match any projection of balcony and still be structurally stable across the whole plank.

5 AESTHETICS

Aesthetics are key to a great finish; our boards are designed to look like decking but not to feel like aluminium.

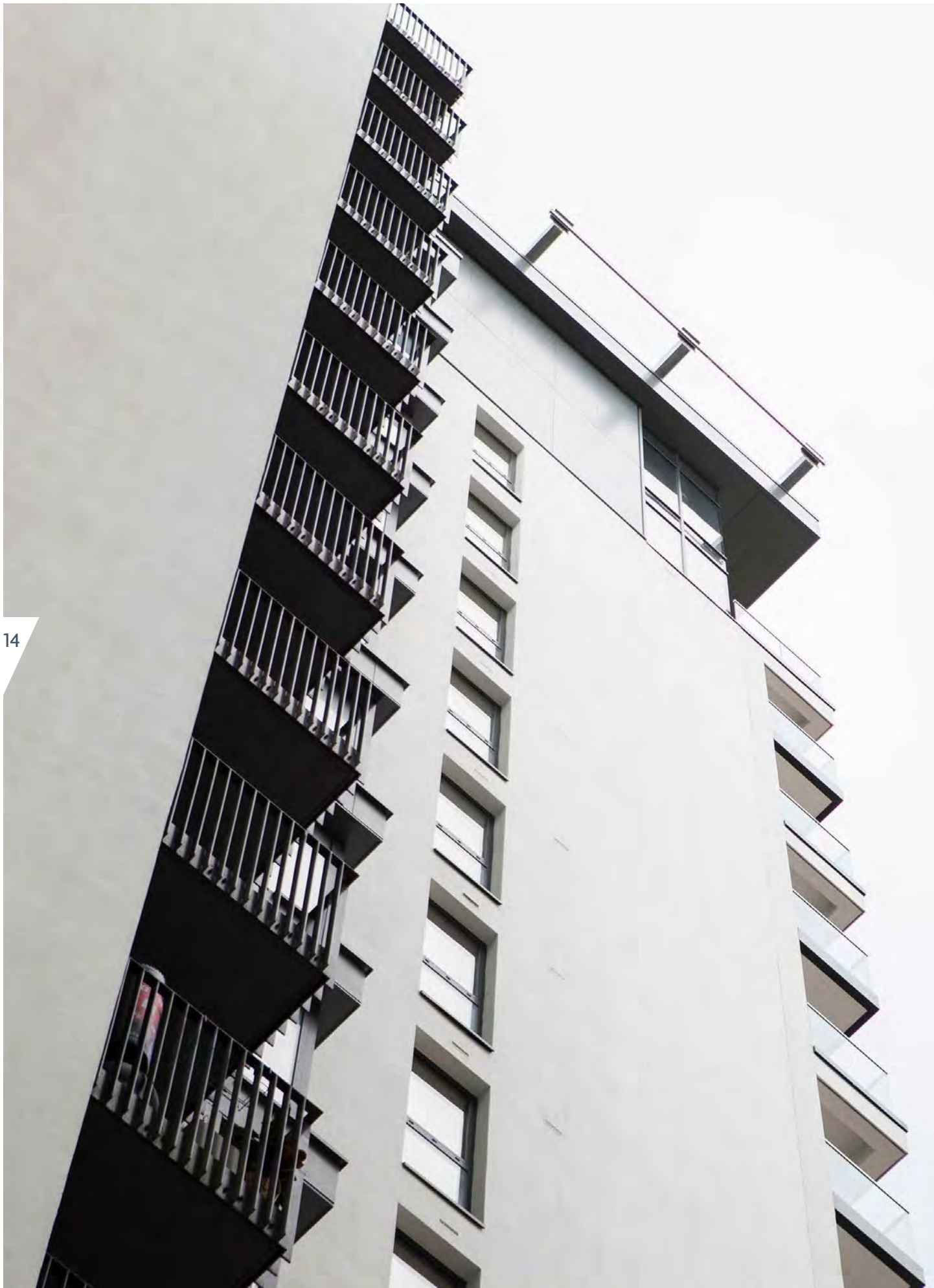
Please Note: The test is conducted 8 times, with the first three tests being 'warm up tests' the data then starts to be recorded upon the 4th test. The average is taken from the 5 tests and is shown in the column marked MEAN.

The directions are; Length, Width & Diagonal. Each direction has a score depending on wet and dry conditions. Direction A is length, direction B is width, and direction C is diagonal.

The tests were carried out in accordance with BS7976 part 2.

The full test report is available for download from our website.

DESIGNED TO SPAN
1200mm CENTRE TO CENTRE



The AliDeck SENIOR BALCONY FLAT BOARD

Benefits include:



ALL ALUMINIUM



HEAT RESISTANT



DURABLE
TEXTURED FINISH



LOW
MAINTENANCE



RECYCLABLE



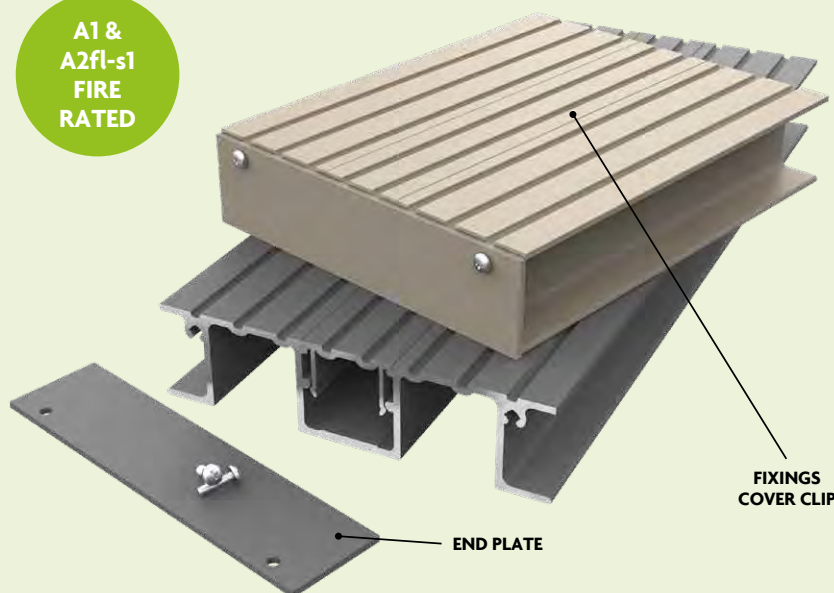
STABLE IN ALL
WEATHER CONDITIONS



A1 & A2fl-s1
FIRE RATED

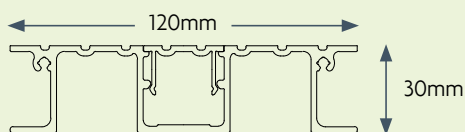
The AliDeck Senior Flat Balcony Board is our premium non-combustible aluminium balcony decking product, with excellent spanning capabilities and fully tested for Fire, Slip, and Wear Resistance.

A1 &
A2fl-s1
FIRE
RATED



15

Dimensions



PRODUCT SPECIFICATION

- Fire Rated: A1 & A2fl-s1
- Dimensions: 120mm x 30mm
- Compliance: Commercial Tread Specification
- Material: 6063 T6 aluminium 30% minimum recycled
- Colours: Full Range of AliDeck Colours
- Stock Extrusion Length: 4m & 6m
- Span: 1200mm
- Slip Resistance Tested – Exceeds minimum wet and dry

DESIGNED TO SPAN
1200mm CENTRE TO CENTRE

The AliDeck JUNIOR BALCONY BOARD

ALSO
AVAILABLE IN
FLAT DESIGN
(SEE PAGE 19)

Benefits include:



ALL ALUMINIUM



HEAT RESISTANT



DURABLE
TEXTURED FINISH



LOW
MAINTENANCE



RECYCLABLE



STABLE IN ALL
WEATHER CONDITIONS

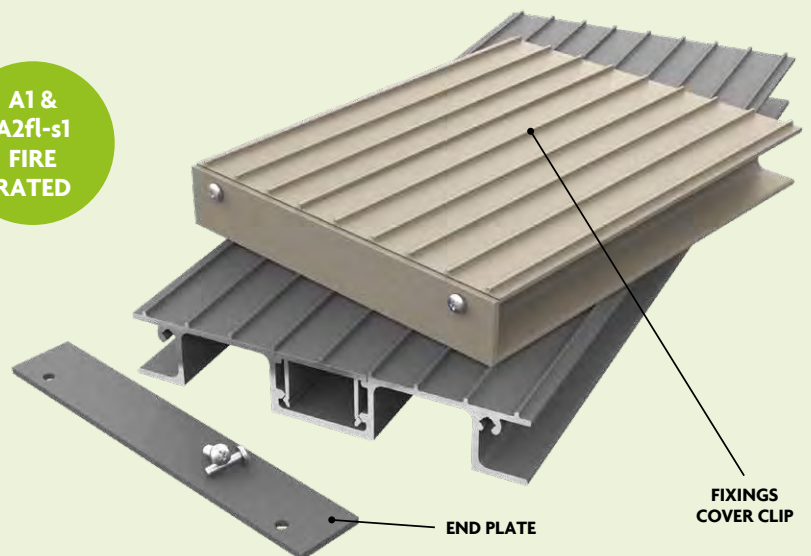


A1 & A2fl-s1
FIRE RATED

The AliDeck Junior Balcony Board is our non-combustible low-profile aluminium balcony decking product, offering excellent span but only 20mm board depth and fully tested for Fire, Slip, and Wear Resistance. It benefits from the following features;

- The ability to cut it to the correct width
- It is fire resistant to A1 and A2fl-s1
- You can install 90% of the deck board prior to the installation of the balcony if required, once the balcony is installed you can then install the remaining boards
- The ability to be installed on to existing sub frame sections without having to drill additional holes
- Drainage between the boards

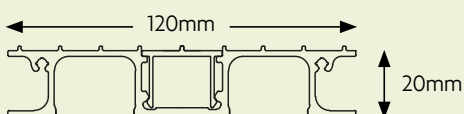
A1 &
A2fl-s1
FIRE
RATED



PRODUCT SPECIFICATION

- Fire Rated: A1 & A2fl-s1
- Dimensions: 120mm x 20mm
- Compliance: Commercial Tread Specification
- Material: 6063 T6 aluminium 30% minimum recycled
- Colours: Full Range of AliDeck Colours
- Stock Extrusion Length: 4m & 6m
- Span: 600mm
- Slip Resistance Tested – Exceeds minimum wet and dry

Dimensions



1 FIRE RESISTANCE

The boards are manufactured completely from aluminium and are therefore fire resistant and non-combustible to **A1** and **A2fl-s1** when coated.

2 DRAINAGE

They can also be spaced to allow for varying drainage requirements and are compatible with the AliDeck Balcony Drainage System.

3 SLIP RESISTANCE

DIRECTION	CONDITION				1	2	3	4	5	MEAN	PREV	RISK
A	Dry	100	100	100	100	100	100	100	100	100	0	Low
A	Wet	85	86	85	85	84	84	83	82	84	0	Low
B	Dry	76	79	78	78	77	77	76	77	77	0	Low
B	Wet	48	47	46	46	45	44	44	44	45	0	Low
C	Dry	99	99	98	97	97	96	95	97	96	0	Low
C	Wet	59	58	57	56	55	54	54	53	54	0	Low

Pendulum Test Values (PTVs) - Low Slip Potential 35+ | Moderate Slip Potential 25-35 | High Slip Potential 0-25

4 INSTALLATION

Speed and ease of installation are key to any project, so we have designed a board that has a unique invisible (structural) top clip system which can be installed from the top down. The board can also be trimmed down the length to match any projection of balcony and still be structurally stable across the whole plank.

5 AESTHETICS

Aesthetics are key to a great finish; our boards are designed to look like decking but not to feel like aluminium.

Please Note: The test is conducted 8 times, with the first three tests being 'warm up tests' the data then starts to be recorded upon the 4th test. The average is taken from the 5 tests and is shown in the column marked MEAN.

The directions are; Length, Width & Diagonal. Each direction has a score depending on wet and dry conditions. Direction **A** is length, direction **B** is width, and direction **C** is diagonal.

The tests were carried out in accordance with BS7976 part 2.

The full test report is available for download from our website.

DESIGNED TO SPAN
600mm CENTRE TO CENTRE



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The AliDeck JUNIOR BALCONY FLAT BOARD

Benefits include:



ALL ALUMINIUM



HEAT RESISTANT



DURABLE
TEXTURED FINISH



LOW
MAINTENANCE



RECYCLABLE



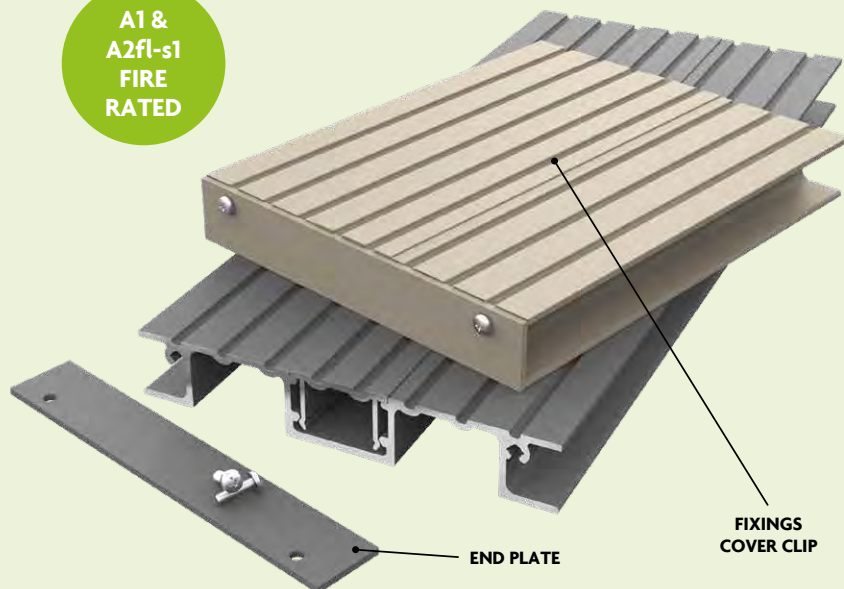
STABLE IN ALL
WEATHER CONDITIONS



A1 & A2fl-s1
FIRE RATED

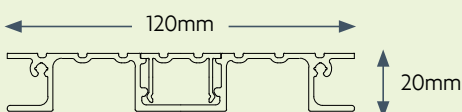
The AliDeck Junior Flat Balcony Board is our non-combustible low-profile aluminium balcony decking product, offering excellent span but only 20mm board depth and fully tested for Fire, Slip, and Wear Resistance.

A1 &
A2fl-s1
FIRE
RATED



19

Dimensions



PRODUCT SPECIFICATION

- Fire Rated: A1 & A2fl-s1
- Dimensions: 120mm x 20mm
- Compliance: Commercial Tread Specification
- Material: 6063 T6 aluminium 30% minimum recycled
- Colours: Full Range of AliDeck Colours
- Stock Extrusion Length: 4m & 6m
- Span: 600mm
- Slip Resistance Tested – Exceeds minimum wet and dry

DESIGNED TO SPAN
600mm CENTRE TO CENTRE

The AliDeck LITE BALCONY BOARD

Benefits include:



ALL ALUMINIUM



HEAT RESISTANT



DURABLE
TEXTURED FINISH



LOW
MAINTENANCE



RECYCLABLE



STABLE IN ALL
WEATHER CONDITIONS

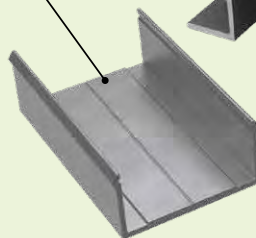


A1 & A2fl-s1
FIRE RATED

The AliDeck Lite board has been specifically designed to be an entry level system that is perfect for the retrofit or replacement market, this product will span 400mm between supports on a 4kN distributed load, it can be used with all of our support systems and gutter systems if required. We have designed this system to be fast and efficient to install and has a unique clip down solution to make it easy and quick to install.

A1 &
A2fl-s1
FIRE
RATED

FIXING CLIP

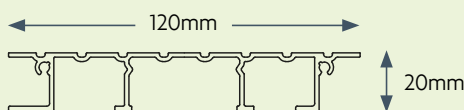


TEXTURED
SURFACE

PRODUCT SPECIFICATION

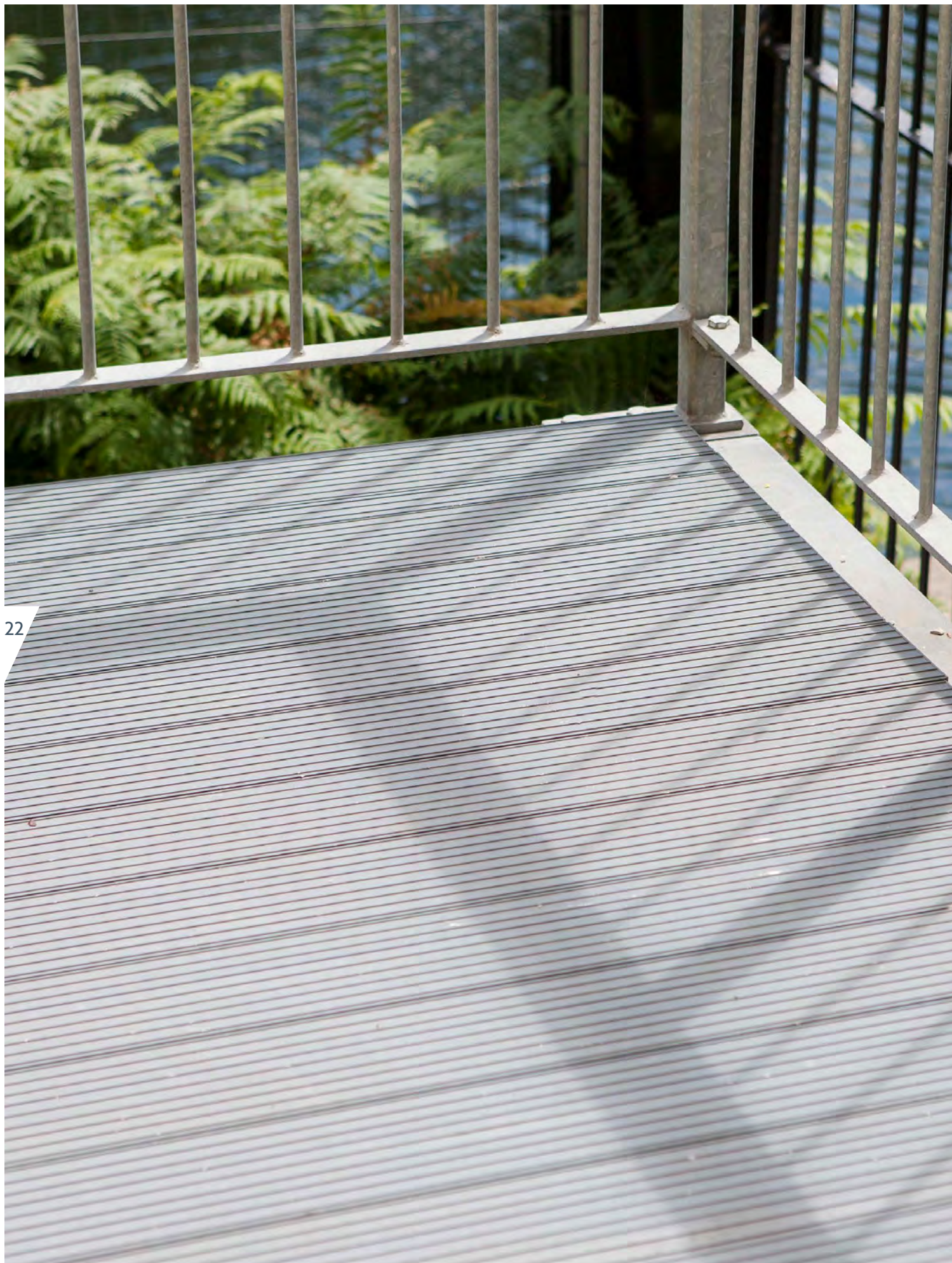
- Fire Rated: A1 & A2fl-s1
- Dimensions 120mm x 20mm
- Material: 6063 T6 aluminium 30% minimum recycled
- Colours: Full Range of AliDeck Colours
- Stock Extrusion lengths 4m and 6m
- Span 400mm
- Slip Resistance Tested – Exceeds minimum wet and dry

Dimensions



DESIGNED TO SPAN
400mm CENTRE TO CENTRE





The AliDeck INTERLOCKING BOARD

The AliDeck Standard Interlocking Board is our original non-combustible aluminium balcony decking product, offering a seamless deck and fully tested for Fire, Slip, and Wear Resistance.

Benefits include:



ALL ALUMINIUM



RECYCLABLE



HEAT RESISTANT



STABLE IN ALL
WEATHER CONDITIONS



DURABLE
TEXTURED FINISH



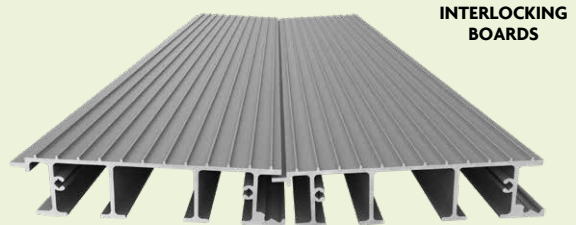
NO GAPS
BETWEEN BOARDS



LOW
MAINTENANCE

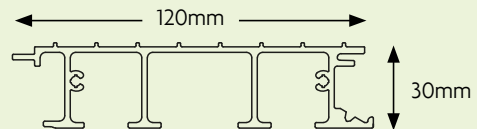


A1 & A2fl-s1
FIRE RATED



INTERLOCKING
BOARDS

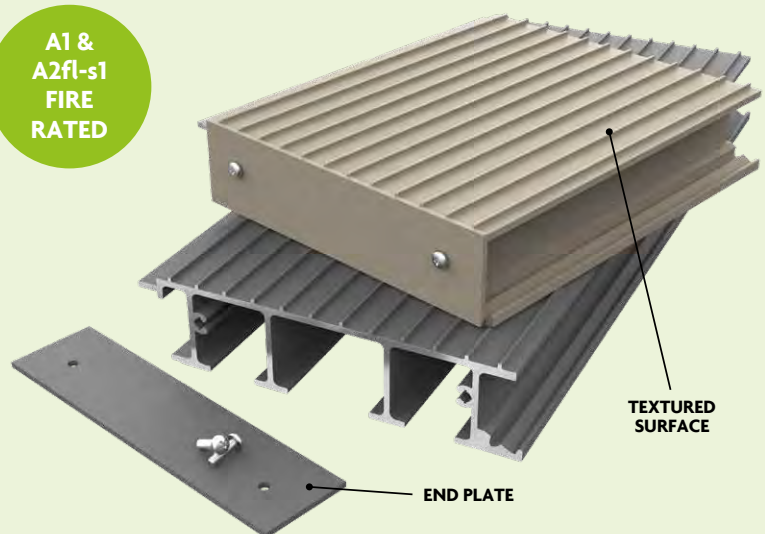
Dimensions



PRODUCT SPECIFICATION

- Fire Rated: A1 & A2fl-s1
- Dimensions: 120mm x 30mm
- Compliance: Commercial Tread Specification
- Material: 6063 T6 aluminium 30% minimum recycled
- Colours: Full Range of AliDeck Colours
- Stock Extrusion Length: 6m
- Span: 1200mm
- Slip Resistance Tested – Exceeds minimum wet and dry

A1 &
A2fl-s1
FIRE
RATED



TEXTURED
SURFACE

END PLATE

DESIGNED TO SPAN
1200mm CENTRE TO CENTRE

The AliDeck BALCONY DRAINAGE SYSTEM

Benefits include:



ALL ALUMINIUM



HEAT RESISTANT



**DURABLE
TEXTURED FINISH**



**LOW
MAINTENANCE**



RECYCLABLE



**STABLE IN ALL
WEATHER CONDITIONS**

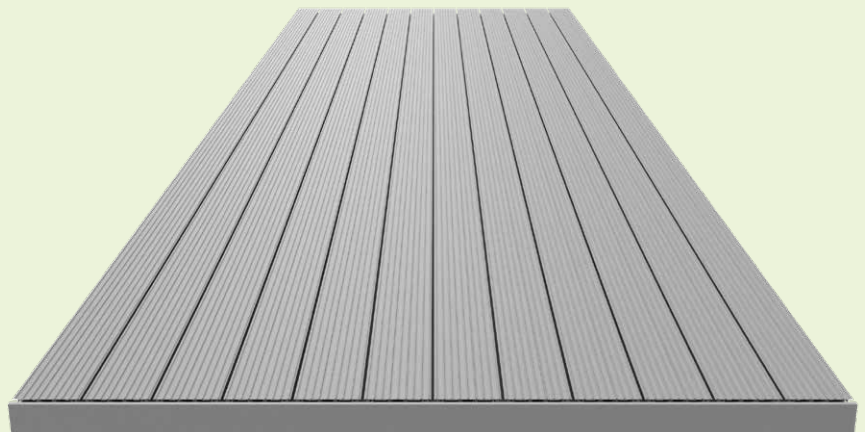


**A1 & A2fl-s1
FIRE RATED**

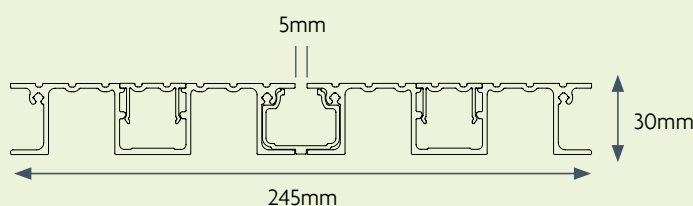
The AliDeck Balcony Drainage System is a positively-drained solution for balconies, designed to effectively capture and channel rainwater and spillages to reduce the risk of liquids falling onto passers-by or lower balconies underneath.

With the AliDeck Drainage Channel sited between AliDeck Senior and Junior Decking Boards, waste water is directed to the ends of the balcony where it is captured by the innovative AliDeck Drainage Guttering and fed to a downpipe or area of your choice. This unique Balcony Drainage System is a direct result of our commitment to continually evolve and refine our range of products to always meet the needs and requirements of our customers and specifiers.

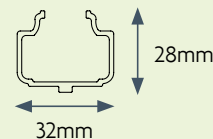
- Enables Positive Drainage for maximum compliance
- Directs water to downpipes or designated area
- Reduces liquids dripping onto the people/furniture underneath
- Uses much less material than full-footprint drainage trays
- Cost-effective compared to other positively-drained solutions
- Compatible with our Senior Balcony Decking Boards and Junior Balcony Decking Boards



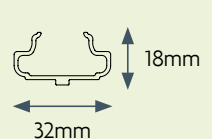
Dimensions

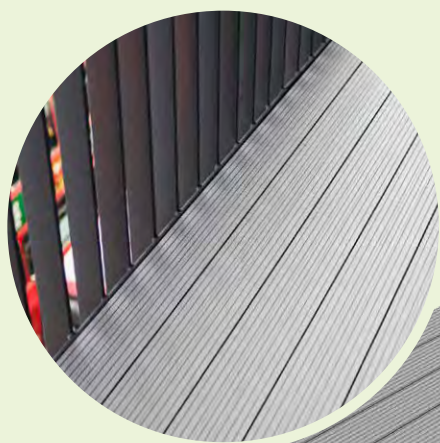


Senior Channel

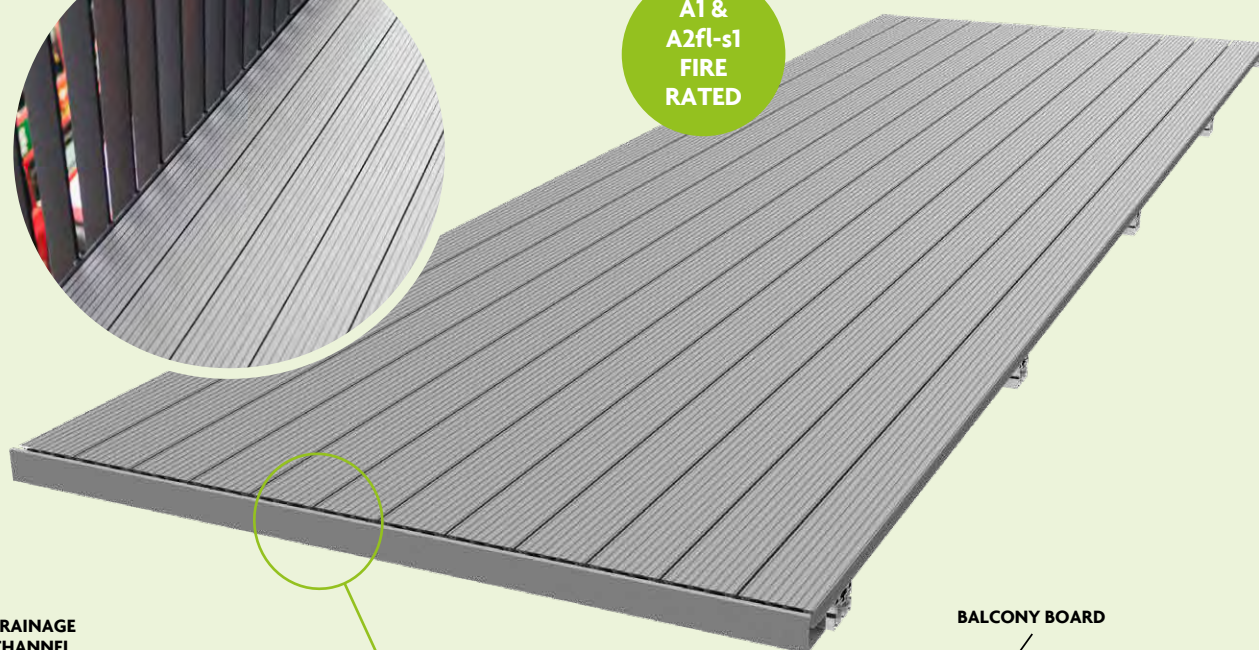


Junior Channel



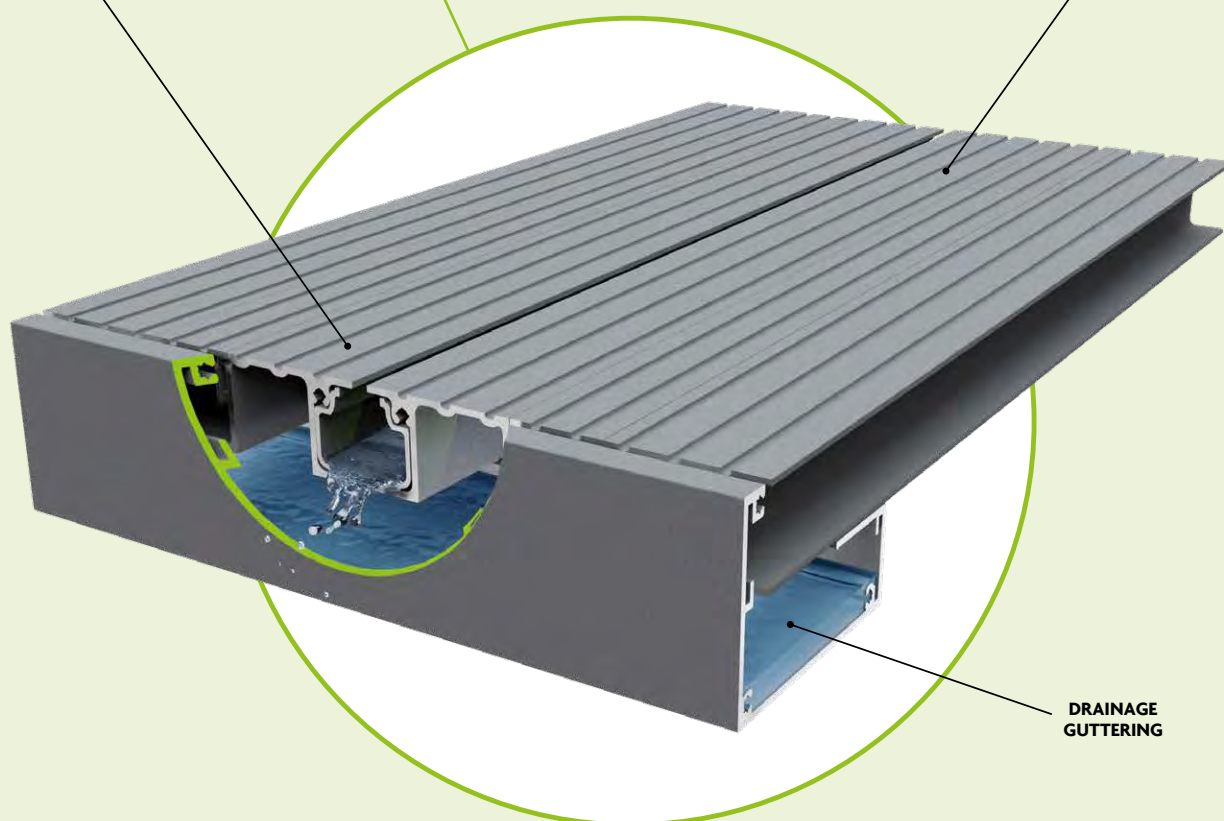


A1 &
A2fl-s1
FIRE
RATED



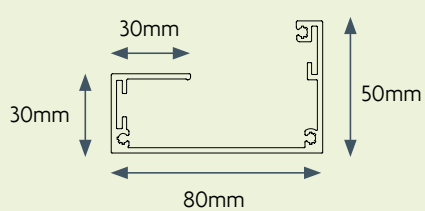
DRAINAGE
CHANNEL

BALCONY BOARD

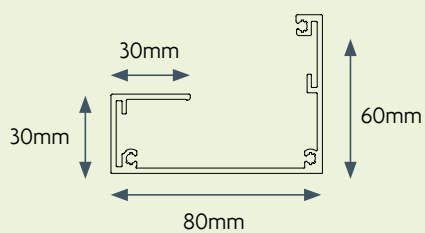


DRAINAGE
GUTTERING

Junior Gutter



Senior Gutter



The AliDeck **SUPA JOIST**

The AliDeck Supa Joist is our heavy-duty joist option, designed to act as both a support post and a large-spanning joist. Compatible with all AliDeck decking boards and fully compliant with fire regulations.

Benefits include:



ALL ALUMINIUM



LOW
MAINTENANCE



QUICK AND EASY
TO INSTALL



RECYCLABLE

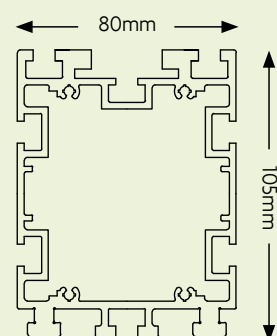


COLOUR MATCHED
TO THE DECK BOARDS



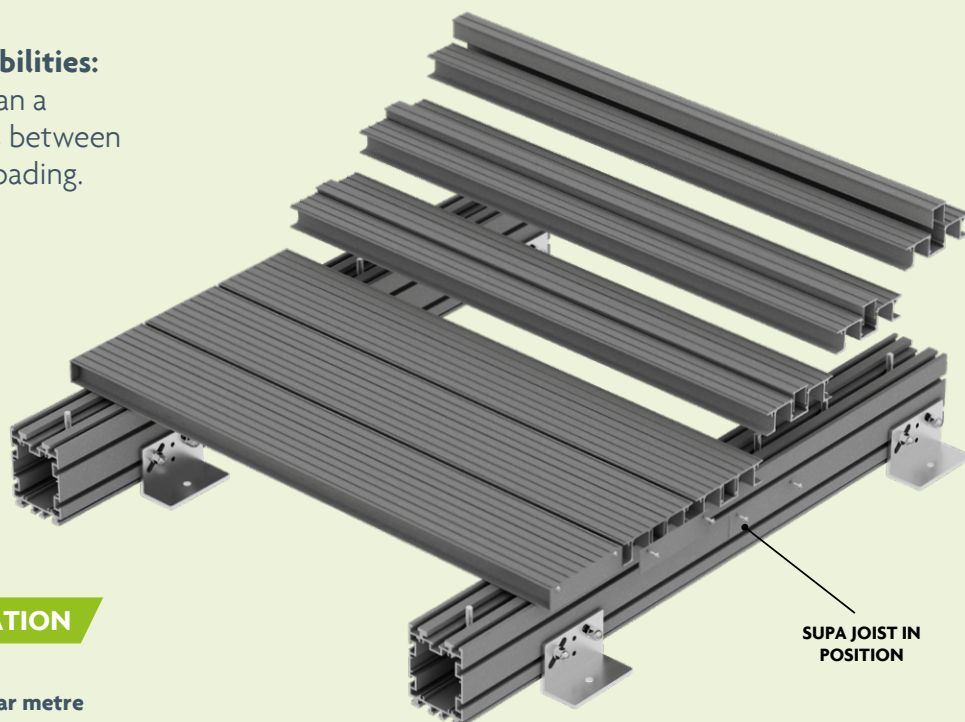
STABLE IN ALL
WEATHER CONDITIONS

Dimensions



Supa Joist span capabilities:

The Supa Joist can span a maximum of 3 metres between pedestals on a 4kN Loading.



PRODUCT SPECIFICATION

- Fire Rated: A1 & A2fl-s1
- Weight: 4.93kg per linear metre
- Coating Thickness: 60-80 Microns
- Colours: Full Range of AliDeck Colours
- Stock Extrusion Length: 6m
- Span: Up to 3000mm
- Warranty: 30 Years
- Life Expectancy: 60 Years

The AliDeck **LOW JOIST**

The AliDeck Low Joist is our low-profile joist option, designed to act as both a support post and a large-spanning joist. Compatible with all AliDeck decking boards and fully compliant with fire regulations.

Benefits include:



ALL ALUMINIUM



LOW
MAINTENANCE



QUICK AND EASY
TO INSTALL



RECYCLABLE

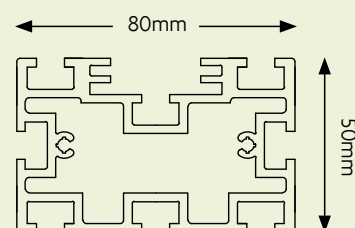


COLOUR MATCHED
TO THE DECK BOARDS



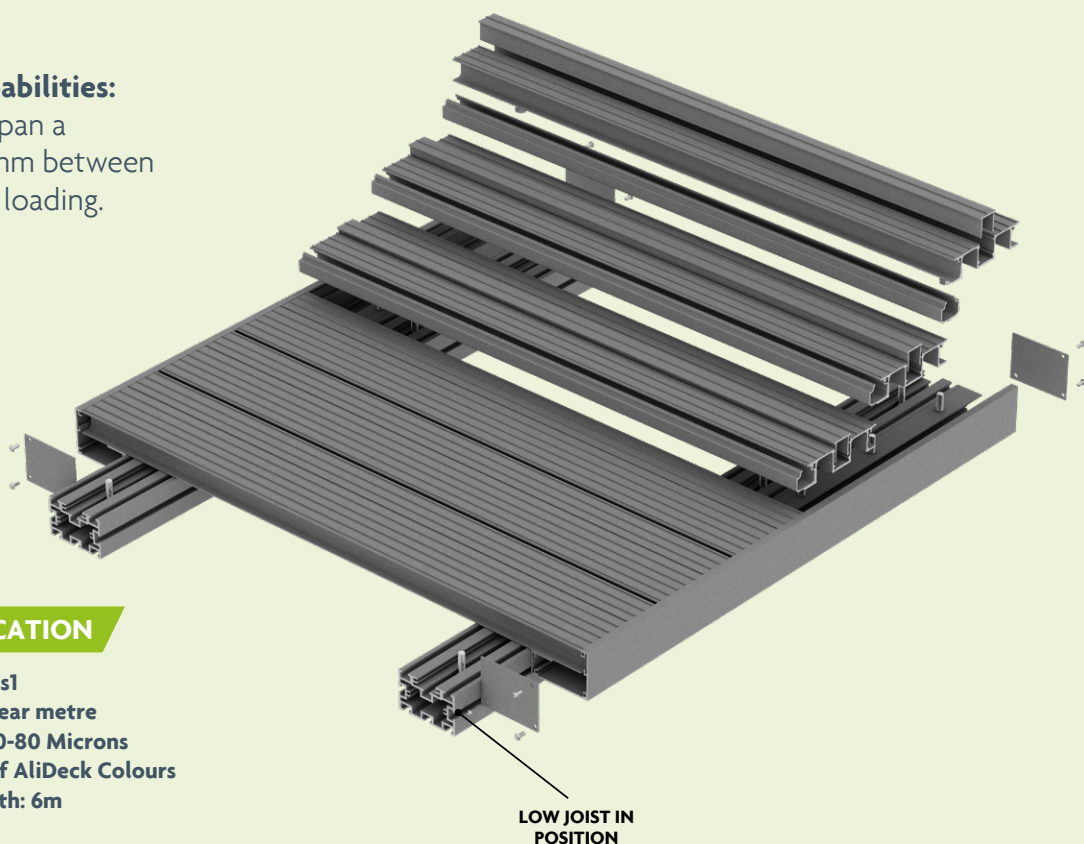
STABLE IN ALL
WEATHER CONDITIONS

Dimensions



Low Joist span capabilities:

The Low Joist can span a maximum of 1200 mm between pedestals on a 4kN loading.



PRODUCT SPECIFICATION

- Fire Rated: A1 & A2fl-s1
- Weight: 3.11kg per linear metre
- Coating Thickness: 60-80 Microns
- Colours: Full Range of AliDeck Colours
- Stock Extrusion Length: 6m
- Span: Up to 1200mm
- Warranty: 30 Years
- Life Expectancy: 60 Years

The AliDeck **LITE JOIST**

The AliDeck Lite Joist is our low-profile, cost-effective joist option, designed specifically for the retrofit and replacement market. Compatible with all AliDeck decking boards and fully compliant with fire regulations.

Benefits include:



ALL ALUMINIUM



**LOW
MAINTENANCE**



**QUICK AND EASY
TO INSTALL**



RECYCLABLE

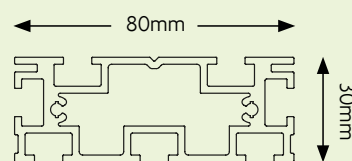


**COLOUR MATCHED
TO THE DECK BOARDS**



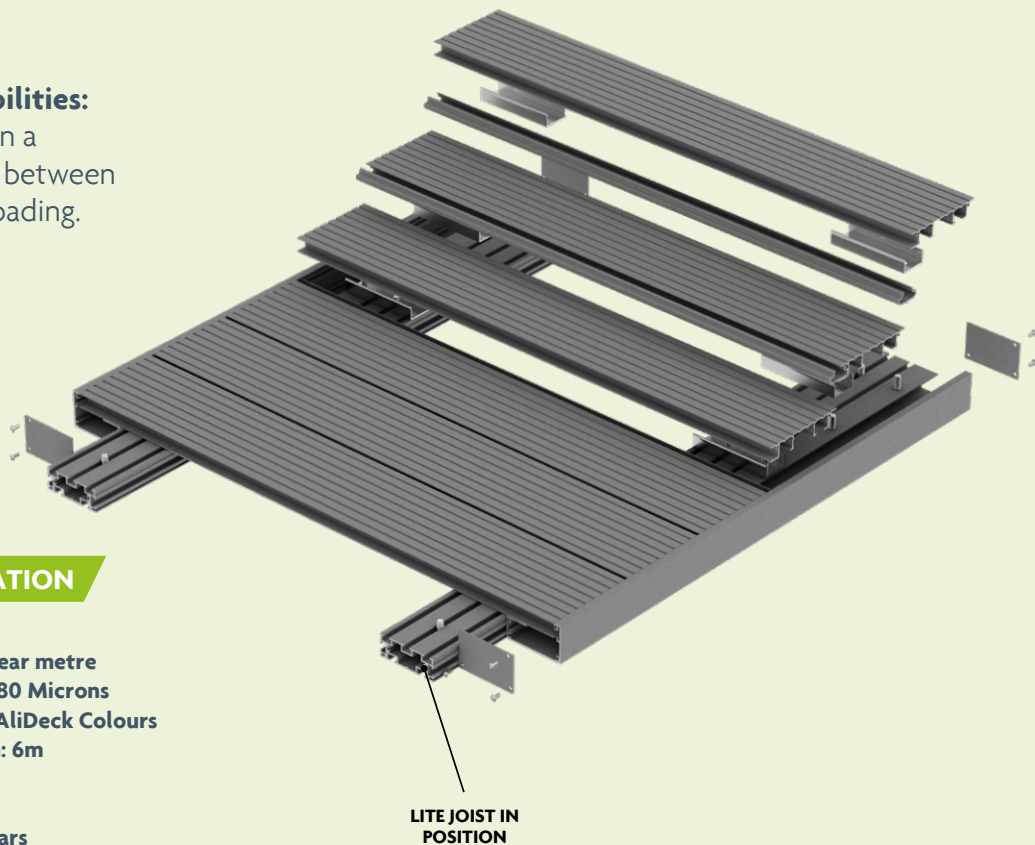
**STABLE IN ALL
WEATHER CONDITIONS**

Dimensions



Lite Joist span capabilities:

The Lite Joist can span a maximum of 800mm between pedestals on a 4kN loading.



PRODUCT SPECIFICATION

- Fire Rated: A1 & A2fl-s1
- Weight: 1.926kg per linear metre
- Coating Thickness: 60-80 Microns
- Colours: Full Range of AliDeck Colours
- Stock Extrusion Length: 6m
- Span: Up to 800mm
- Warranty: 30 Years
- Life Expectancy: 60 Years

The AliDeck TRIPLE BOLT CHANNEL

Benefits include:



ALL ALUMINIUM



HEAT RESISTANT



DURABLE
TEXTURED FINISH



LOW
MAINTENANCE



RECYCLABLE

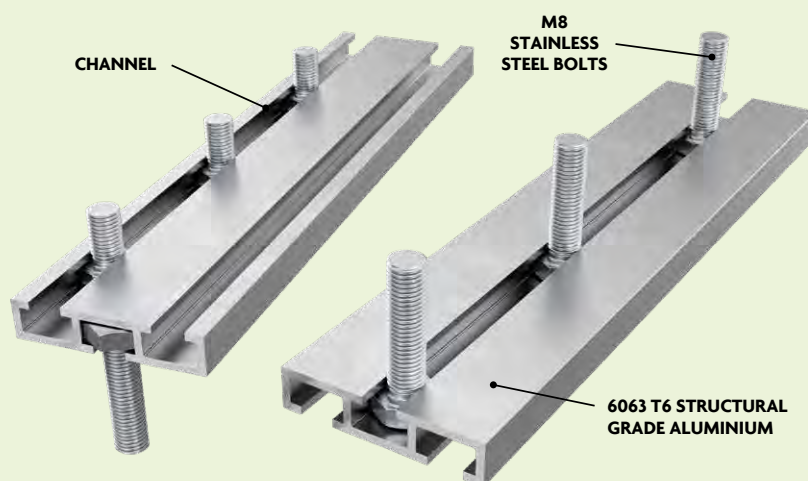


STABLE IN ALL
WEATHER CONDITIONS



A2-s1, d0 & A2fl-s1
FIRE RATED

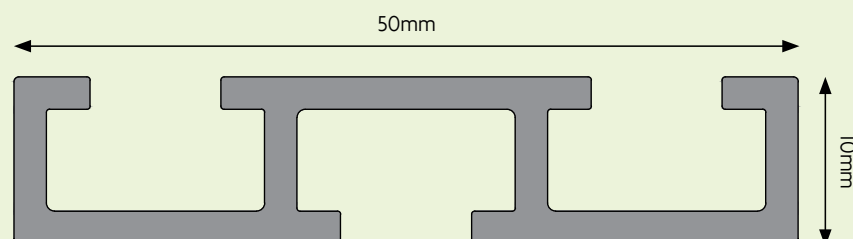
The AliDeck Triple Bolt Channel is our clever fixing solution to avoid the need to drill the balcony steel frame for each decking board. Designed for the AliDeck Senior and Junior Decking Boards.



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CLASS A1
FIRE
RATED

Dimensions



The AliDeck

ADJUSTABLE PEDESTAL

The AliDeck Adjustable Pedestal is our innovative joist support pedestal, offering a large range of height adjustments to ensure level and robust decking installation.

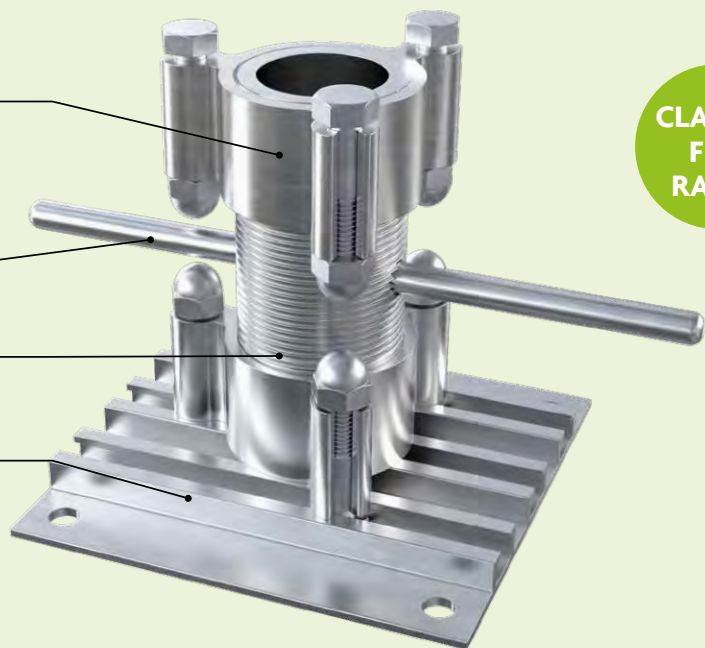
EASY FIX SUPPORT HEAD

REMOVEABLE ADJUSTER TOOL

THREAD HEIGHT ADJUSTER

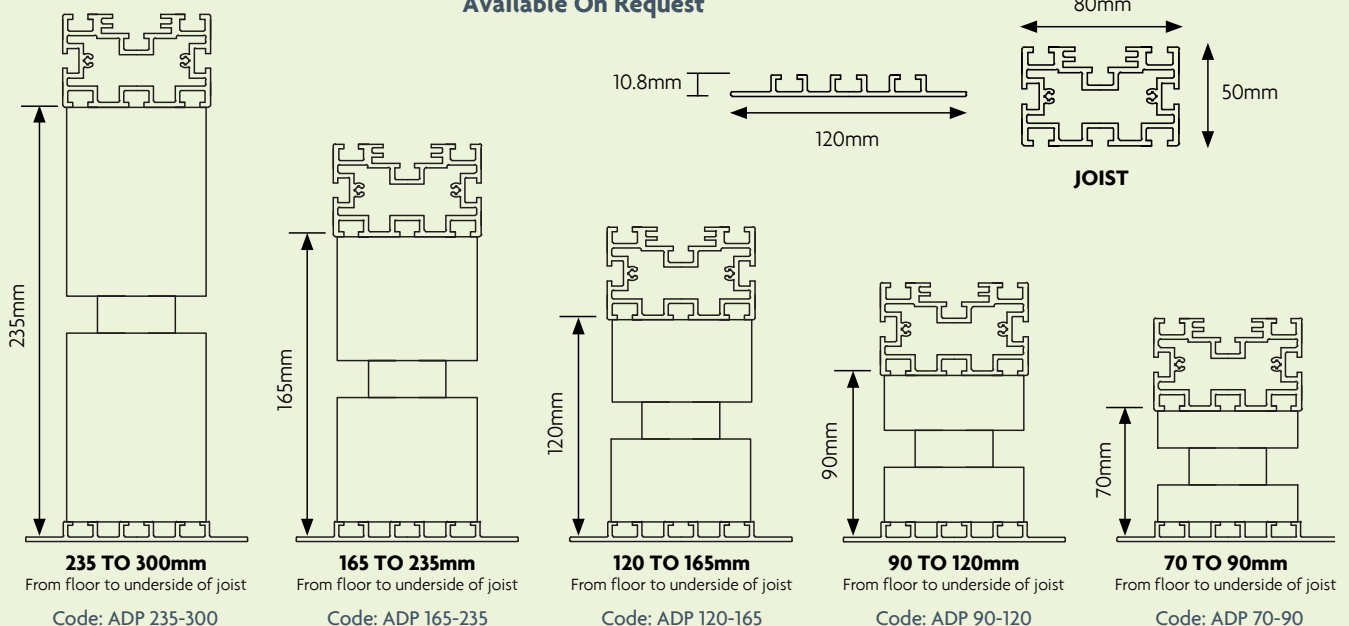
EASY FIX BASE SUPPORT

CLASS A1
FIRE
RATED



Dimensions

Additional Bespoke Sizes
Available On Request



The AliDeck

MULTI-DIRECTIONAL ADJUSTABLE PEDESTALS

CLASS A1
FIRE
RATED

MULTI-DIRECTIONAL PEDESTAL HEAD

ADJUSTABLE PEDESTAL HEAD

THREAD HEIGHT ADJUSTER

EASY FIX BASE SUPPORT

The AliDeck Multi-Directional adjustable pedestal is a solution driven product, specifically designed for installations where you need a multi-directional foot position due to a fall 2 or more ways in the floor. This solution is perfect for insulated roofs (with or without membranes) which are laid to fall, they can be bolted or bonded using our fire retardant double sided tape.

MULTI-DIRECTIONAL PEDESTAL HEAD



The AliDeck ADJUSTABLE PEDESTAL BRACKET

BRACKETS CAN
BE USED WITH
ADHESIVE TAPE



Benefits include:

The AliDeck Adjustable Pedestal Bracket is compatible with all of our joists. Available in 3 distinct sizes, a wide array of build-up heights can be easily achieved.



ALL ALUMINIUM



HEAT RESISTANT



DURABLE
TEXTURED FINISH



LOW
MAINTENANCE



RECYCLABLE



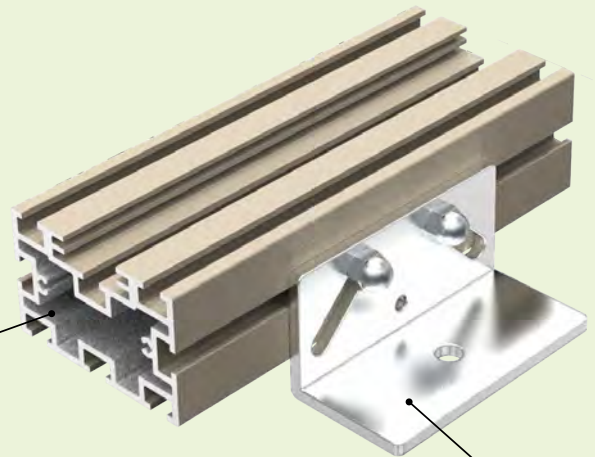
STABLE IN ALL
WEATHER CONDITIONS



A1 FIRE RATED

CLASS A1
FIRE
RATED

LOW JOIST

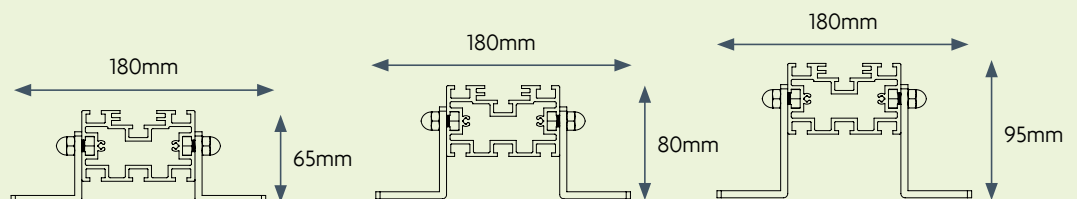


ADJUSTABLE
PEDESTAL BRACKET

PRODUCT SPECIFICATION

- Fire Resistance: A1
- Height Range: 70mm to 125mm
- Base Diameter: 100mm x 50mm
- Colours: Mill Finish
- Warranty: 30 Years
- Life Expectancy: 60 Years

Dimensions





The AliDeck ACCESSORIES

AliDeck manufacture and supply a wide range of accessory products for our AliDeck range, to help our customers complete their installation to the highest possible specification.

Nosing Profiles

The AliDeck Nosing Extrusion has been designed to work in conjunction with all other AliDeck extrusions. When used with our deck boards it is commercially compliant for tread specification.

COMPATIBLE WITH
ALIDECK BOARDS
AND JOISTS

FIXINGS
COVER CLIP

CURVED
NOSING

FIXINGS
COVER CLIP

CURVED
NOSING

Starter Trims

Starter trims are available for our decking boards for use in circumstances that might require an edging, such as terrace decks.

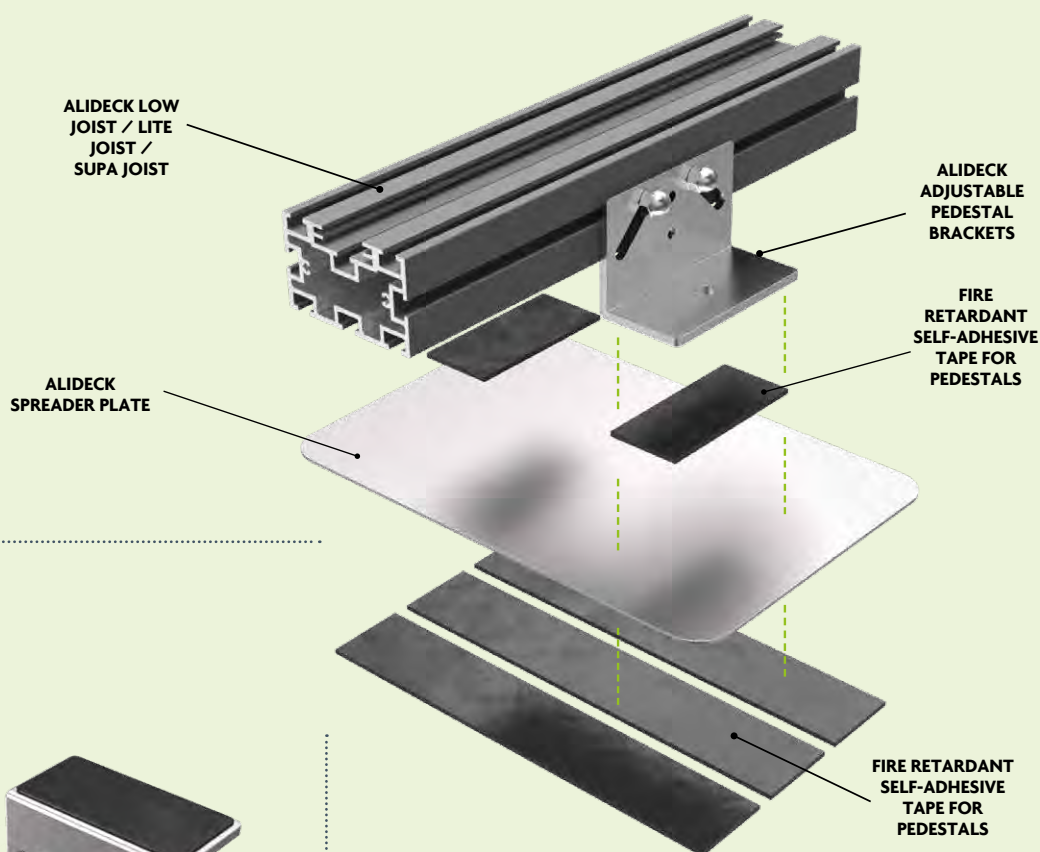
End Plates

Colour-matched End Plates are available on request for all of our 20mm and 30mm decking boards, as well as our joists and gutter profiles.

Spreader Plates

This simple aluminium plate is used to spread the imposed load of the AliDeck decking system when installing onto waterproof membranes.

The plate can be supplied with or without fire retardant double-sided tape to enable you to bond it to the top surface.



FIRE RETARDANT PEDESTAL TAPE



LOW PROFILE ADJUSTABLE BRACKETS

Fire Retardant Tape

Our Fire Retardant Self-Adhesive Tape has been introduced for use with our Adjustable Pedestals and Adjustable Pedestal Brackets. It features a flame retardant adhesive which is coated on a flame retardant acrylic foam carrier and has a very high-performance adhesion to metal, making it perfect for use with our products.

Touch-up Paint

Colour-matched touch-up spray paint is available to retouch cut edges or any fixing holes if desired.



Planter Kits

Non-combustible planter kits have been developed, in a range of sizes. Built using AliDeck boards and joists, these are a fully compliant option for roof terraces and commercial venues.



ALIPAVE

Aluminium Balcony Paving Support

AliPave is the latest innovation from AliDeck and is the industry's first positively-drained paving support system for steel balconies.

Benefits include:



ALL ALUMINIUM



HEAT RESISTANT



DURABLE
TEXTURED FINISH



LOW
MAINTENANCE



RECYCLABLE



STABLE IN ALL
WEATHER CONDITIONS



A1 FIRE RATED



QUICK AND EASY
TO INSTALL

AliPave has been designed to provide an off-the-shelf, fully compliant paving system for steel balconies.

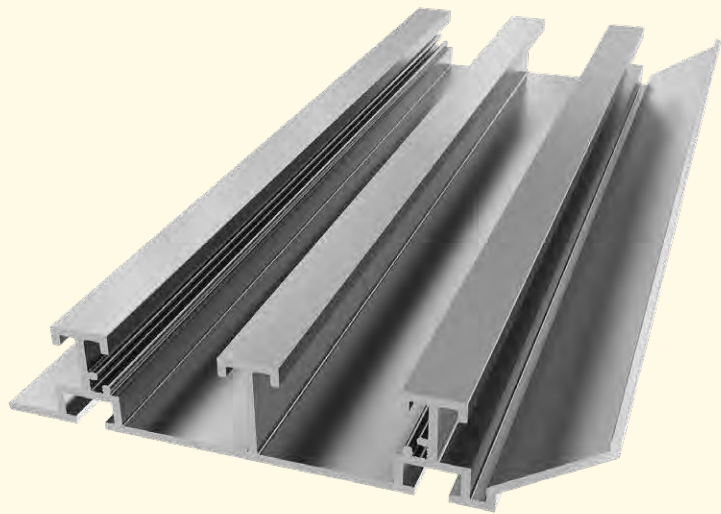
With easily attainable flooring options previously limited to decking boards or steel plates and grilles, steel balconies have sorely missed the aesthetic opportunities offered by porcelain and granite tiles. The AliPave system now allows the simple specification of high-end flooring options on high-rise steel balconies.

The core of the AliPave Balcony Paving System is the extruded AliPave profile. An interlocking board, the AliPave

profile has been designed for extremely high strength while maintaining a low profile height of only 27mm.

The intelligently engineered design of the AliPave profile achieves a span of up to 1000mm between centres at 1.5kN point load, minimising the required underside support.

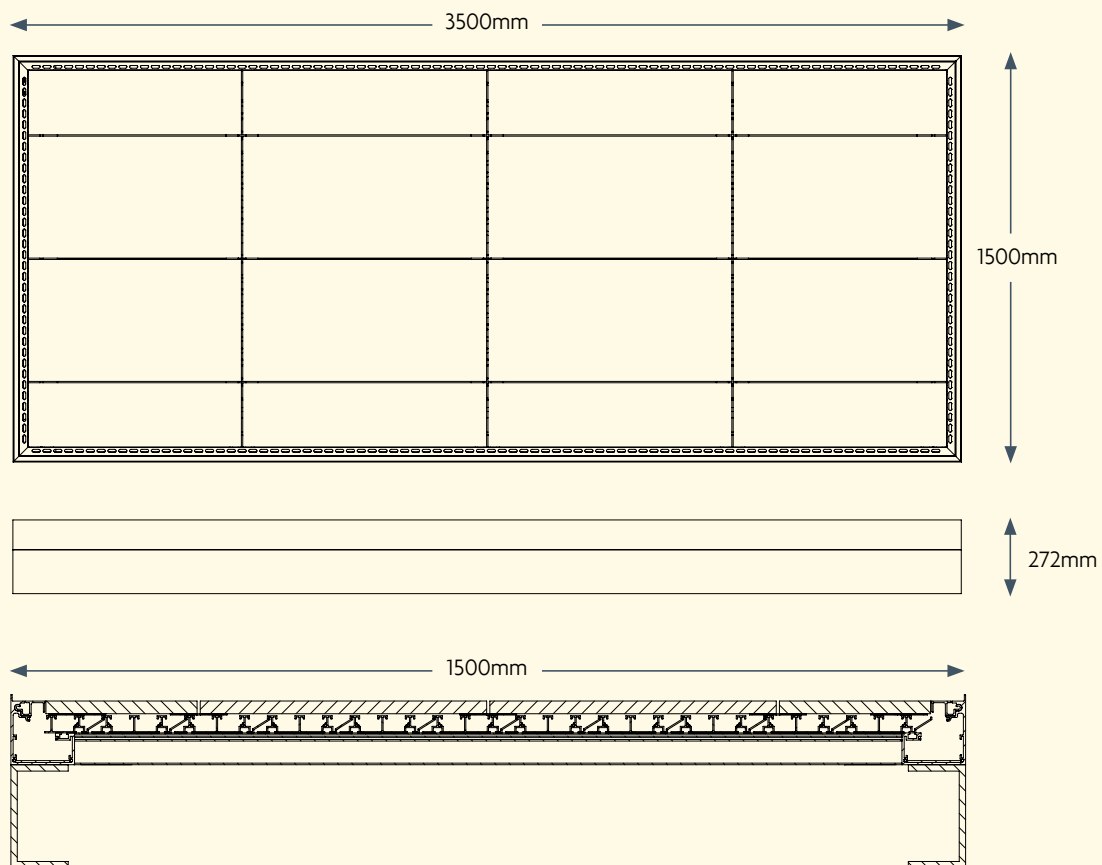
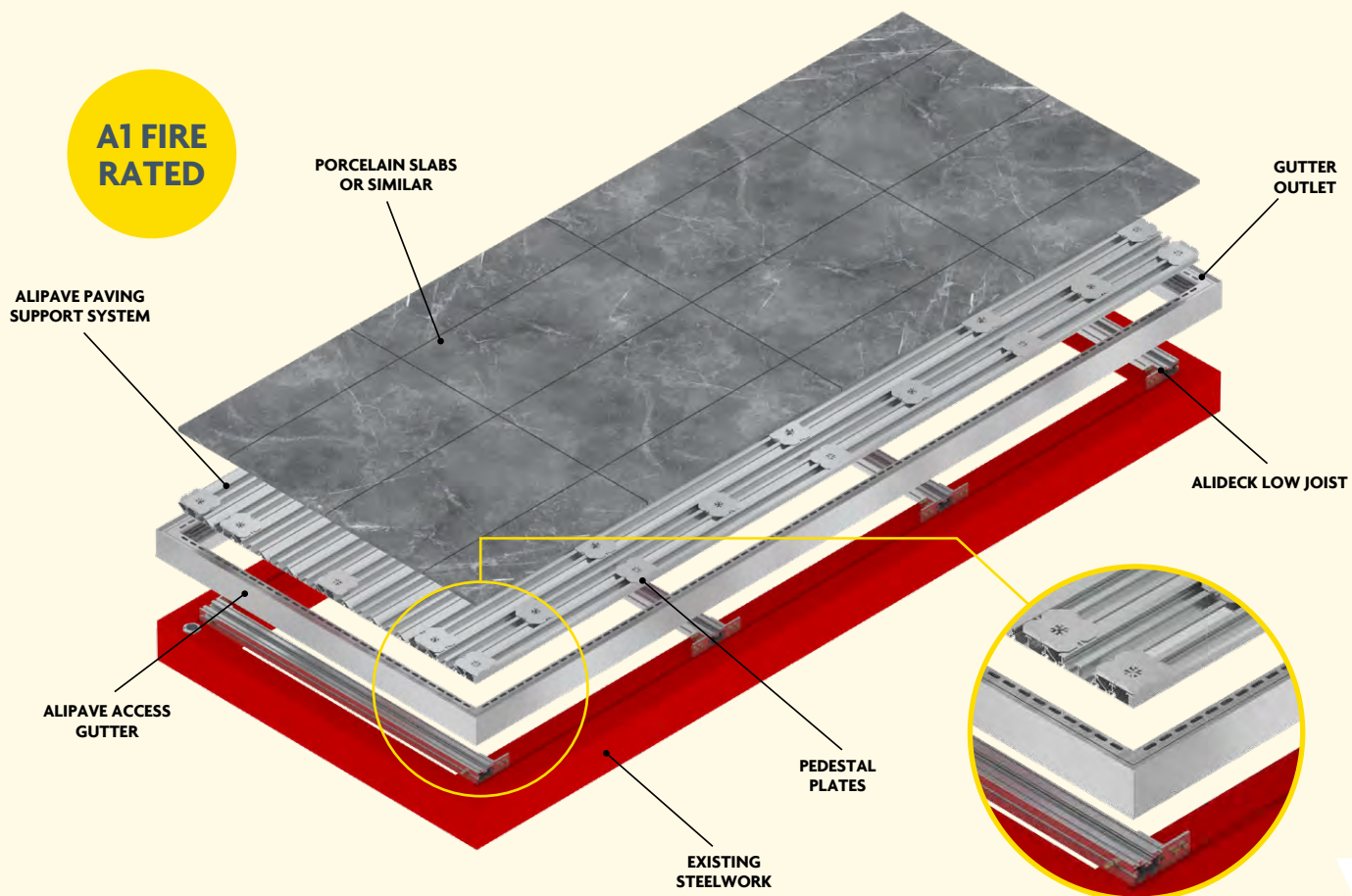
The AliPave System is a positively drained balcony flooring solution. With water flowing between the supported paving slabs, the AliPave profile collects and channels liquids to the balcony ends by a recommended 1:80 fall where it is evacuated to a specified outlet.



PRODUCT SPECIFICATION

- Fire Resistance: A1
- Material: 6063 T6 Structural Grade Aluminium
- Dimensions: 130mm wide x 27mm high
- Weight: 1.798 KG Per Linear Metre
- Standard Stock Lengths: 6m
- Colour: Mill Finish Aluminium
- Warranty: 30 years
- Life Expectancy: 60 years





ALICLAD

Aluminium Balcony Cladding

AliClad is our non-combustible, quick-fit, off-the-shelf balcony soffit cladding product range. Designed to provide simple solutions to balcony fabricators.

Benefits include:



ALL ALUMINIUM



HEAT RESISTANT



DURABLE
TEXTURED FINISH



LOW
MAINTENANCE



RECYCLABLE



STABLE IN ALL
WEATHER CONDITIONS



A2-s1, d0 FIRE RATED

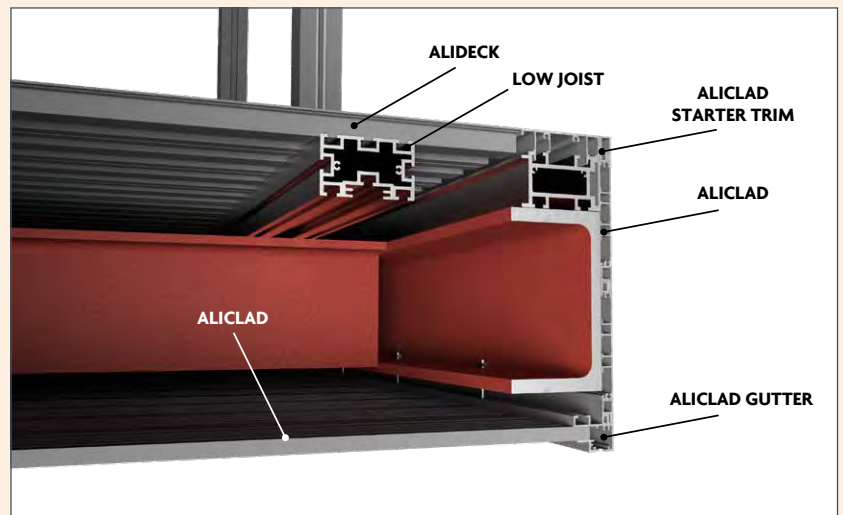
The AliClad balcony soffit cladding range is a solution-driven system. Consisting of three distinct products (Flow, Decor, and Lite), this novel approach to balcony cladding solves problems relating to drainage, aesthetics, and cost.

AliClad Flow has been designed to provide a water-management system at the balcony underside. Delivering fast and efficient removal of rainwater and other liquids, AliClad Flow is an ideal solution for safe and controlled balcony drainage. Water is collected by the soffit panels and evacuated in a controlled way at the front of the balcony.

AliClad Decor is, as the name suggests, a decorative product, with an attractive box profile providing excellent visual

impact as it seals the soffit, with drainage managed in the balcony deck above. Finally, AliClad Lite is a simple, cost-effective, free-draining soffit cladding option that neatly conceals the steel framework of the balcony underside.

AliClad was designed with steel fabricators and their balcony construction workflows in mind. By removing the need for bespoke folded steel and providing an entirely off-the-shelf cladding solution, architects and designers can be sure that cost, compliance, and design concerns are satisfied from the moment of specification.





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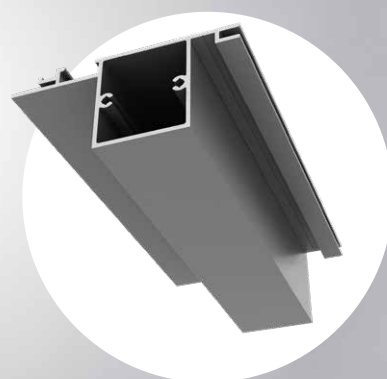
**A2-s1, d0
FIRE
RATED**



AliClad Lite



AliClad Flow

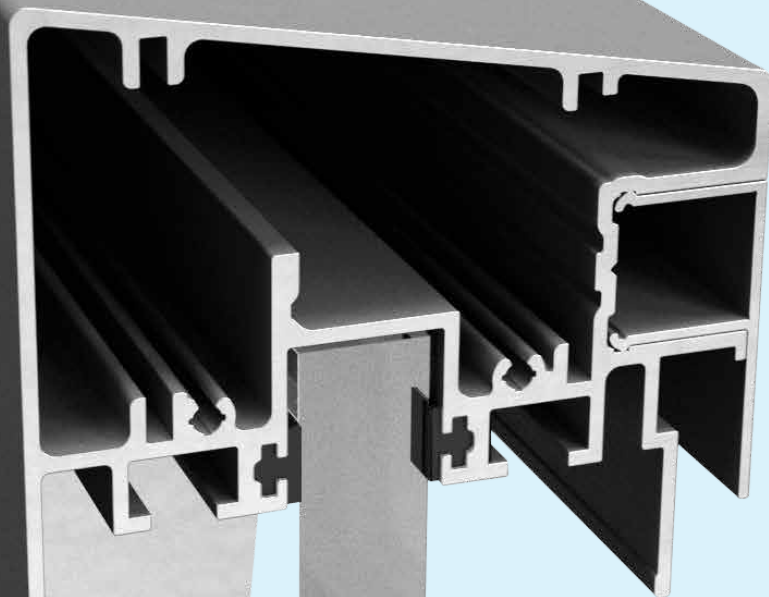


AliClad Decor



**A2-s1, d0
FIRE
RATED**

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ALIRAIL

Aluminium Balcony Balustrades

AliRail is our non-combustible, quick-fit aluminium balcony balustrade system. Designed to provide off-the-shelf and edge protection solutions for balconies.

Benefits include:



ALL ALUMINIUM



HEAT RESISTANT



**DURABLE
TEXTURED FINISH**



**LOW
MAINTENANCE**



RECYCLABLE



**STABLE IN ALL
WEATHER CONDITIONS**



A2-s1, d0 FIRE RATED

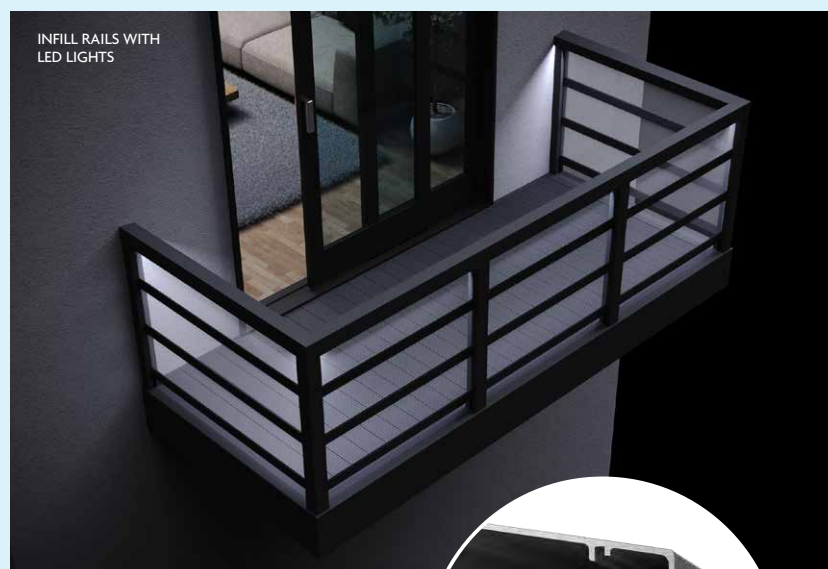
AliRail is our versatile balustrade system for bolt-on balconies, designed to offer multiple options for balcony handrails and edge protection. Created to deliver a lightweight and aesthetically beautiful balustrade solution, and fully compatible with AliDeck and AliClad balcony systems.

With multiple options for in-fill finishing, AliRail is a modular and configurable balustrade system. Choosing either aluminium rails, glass, or a mixture of both, AliRail balustrades provide a practical and impactful finish to balconies. With laser-cut glass designs

and LED lighting also available, the options are almost limitless with AliRail.

Manufactured from T6-grade aluminium and finished in QualiCoat powder-coating, AliRail is durable and wear-resistant to provide decades of service. Tested for fire safety, AliRail is a non-combustible product and achieves Euroclass rating of A2-s1, d0 for full-compliance with legislation.

As a configurable cladding solution, the AliRail system comprises multiple inter-compatible elements to cope with all situations.



MAINTENANCE

AliDeck aluminium decking requires minimal maintenance due to the natural corrosion resistance properties of aluminium along with the high-durability of our Qualicoat standard powder-coating finish. We provide a full maintenance schedule for instructions for maintaining AliDeck aluminium decking boards to uphold the warranty and the expected lifespan of the decking (available from our website - www.alideck.co.uk).



WARRANTY

AliDeck provide a 30 year warranty for our entire range of products, warranting that our products will not, under normal use, split, crack, warp, splinter, rot, or twist and will be free from any material or manufacturing defects. Full terms can be found in the Warranty (available from our website - www.alideck.co.uk).



INSTALLATION TRAINING

The AliDeck training academy was introduced so that our clients can attend a single day training session and walk away feeling educated and confident installing our aluminium decking systems themselves. Each attendee will receive a certificate to confirm their attendance and completion of the training.

If you would like to attend one of our training sessions either for yourself or with your staff, please contact us. We can train up to 6 persons at a time to ensure we thoroughly train each individual, making the training more personal and intensive. This high-level installation training will help you and your staff become experts in our products, enabling you to install them with ease and confidence.

The training academy is very popular and can become fully booked quickly so please contact us with the dates you have in mind and we will let you know what's available. We advise you to book a training session before your order arrives so you can feel confident installing the aluminium decking, saving you time and money on site as you will have experience with the system.



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SUSTAINABILITY

and Environmental Awareness



AliDeck works hard to provide the best service to our aluminium decking customers, from the first point of contact through to delivery and beyond. A key part of that is taking every action that we can to provide sustainable products and environmentally friendly production processes.

The AliDeck Supply Chain

As a manufacturing company, our business is built around the consumption of raw materials to manufacture our products. It is paramount that we ensure that our supply chain is as green as possible.

We are proud to have confirmed that we use 30% recycled aluminium to manufacture our aluminium decking products and to only source our aluminium extrusion from UK extruders, massively reducing the mileage that

our products accrue in production as compared to competitors who source material or products from China.

We are also proud to have built effective processes to further reduce mileage by dispatching products to customers directly from our powder-coating facilities and to have built strong relationships with our transport providers to easily arrange multi-drop deliveries where possible.

The AliDeck Production Process

When working with customers to develop an order, the AliDeck sales team always look to receive detailed architectural drawings of the project and to perform a full take-off.

When an order is suitably large (minimum 500KG), we are able to offer custom extrusion. This is where we provide our extruders with a precise, bespoke list of required decking board lengths, perfectly tailored to the project requirements. This is a zero-waste process and is always the best solution if feasible.

If custom extrusion is not an option, our take-off service helps to achieve optimum use of our stock length products and to minimise waste for boards and joists that are to be cut on

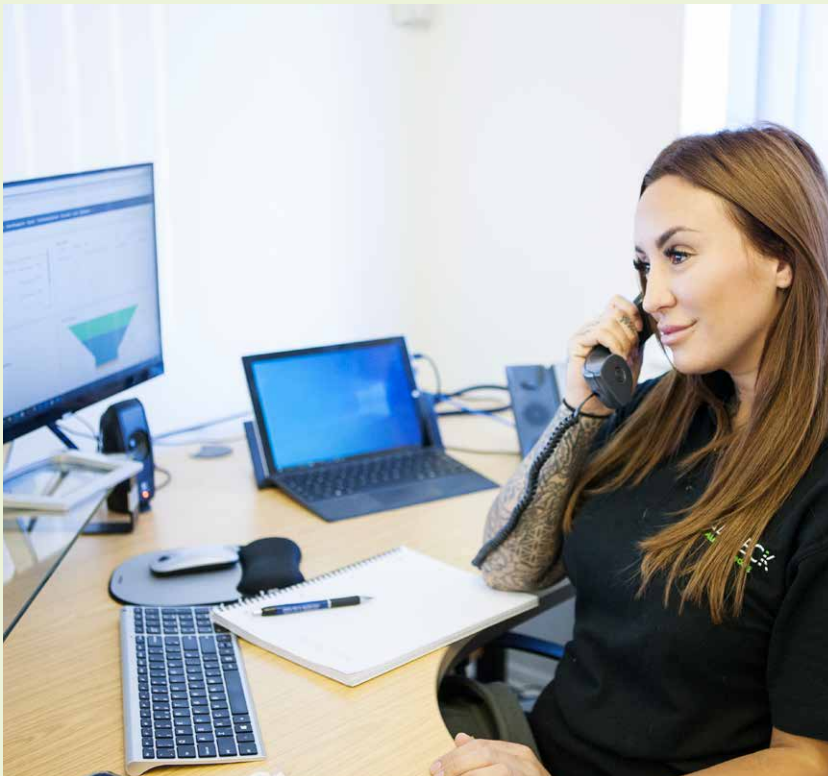
site or at our factory. Not only does this help achieve greater environmental benefit but it also helps our customers lower the cost of their orders by purchasing less material, so it's a win all round!

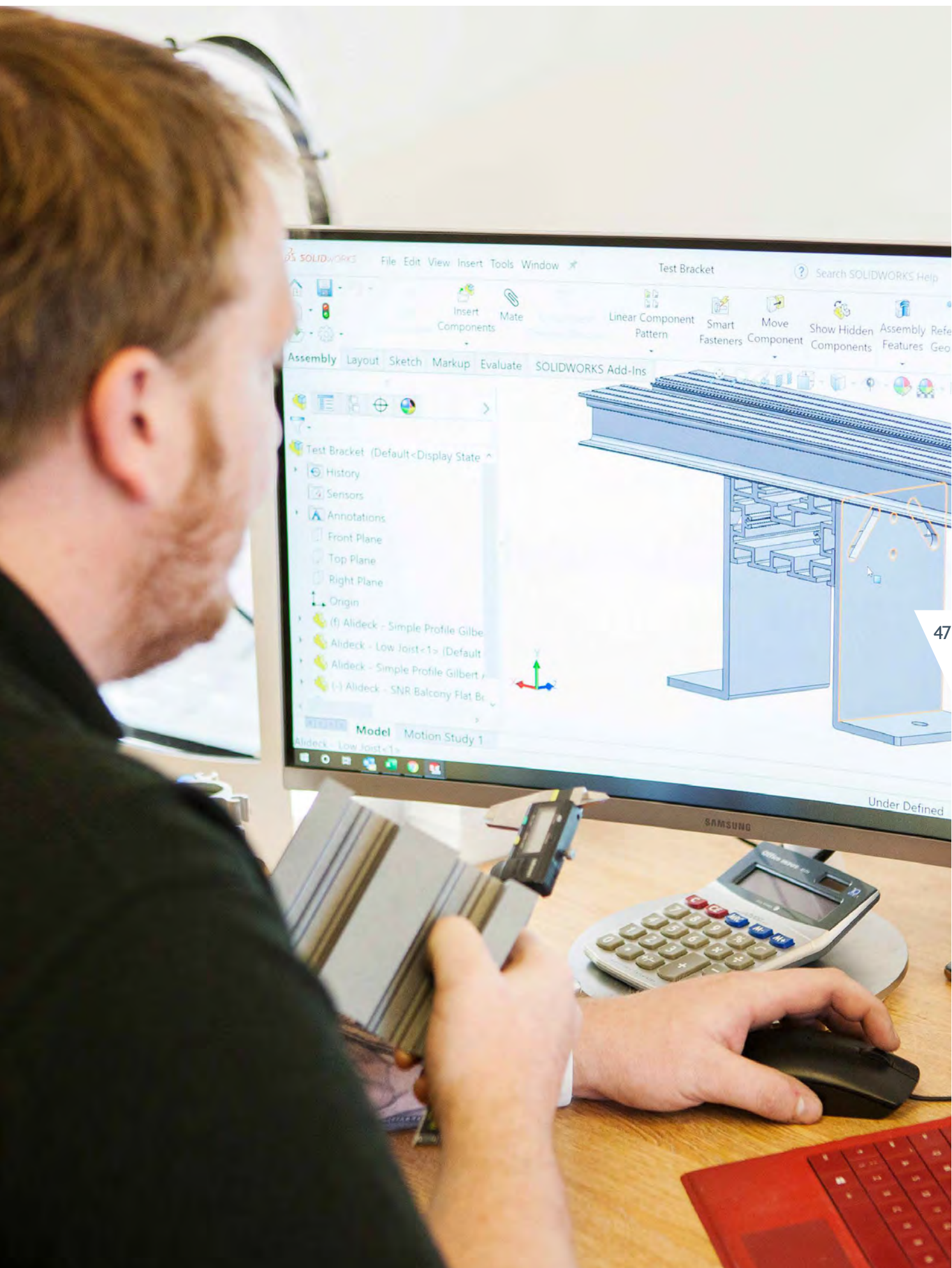
Inevitably, however, some projects will produce more waste than others, often due to small projects with awkward balcony lengths requiring inefficient use of stock lengths. Fortunately, none of this need go into landfill. When cutting at our factory, we always put off-cuts and waste to one side as aluminium is 100% recyclable and many of our customers are keen to receive their waste in order to weigh in for scrap, making sure that the material is used again in the future.

AliDeck CUSTOMER SERVICE

We are dedicated to providing our customers with excellent customer service at all points of their AliDeck experience. Whichever department within AliDeck you are dealing with, they will go out of their way to ensure that your requirements are met and exceeded.

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The Original, A Rated, Quick Fit, Complete Aluminium Decking Solution



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Rochester Airport Industrial Estate
Rochester
Kent ME1 3QX

Tel: 01622 235 672
Email: info@alideck.co.uk
www.alideck.co.uk

ALIRAIL | ALICLAD | ALIPAVE