5 A-Rated Fire Safe SOLUTIONS For Balconies, Walkways & Terraces

MADE IN BRITAIN

ALIDECK™ Aluminium Decking

ALIDRAIN Aluminium Drainage

ALICLAD Soffit & Cladding

ALIRAIL Modular Balustrades

A-FENCE Aluminium Fencing

Providing high-quality, fire-safe aluminium decking and balcony components, using AliDeck offers quick & hassle-free installation guaranteed!

PROJECT SUCCESS BUILT-IN



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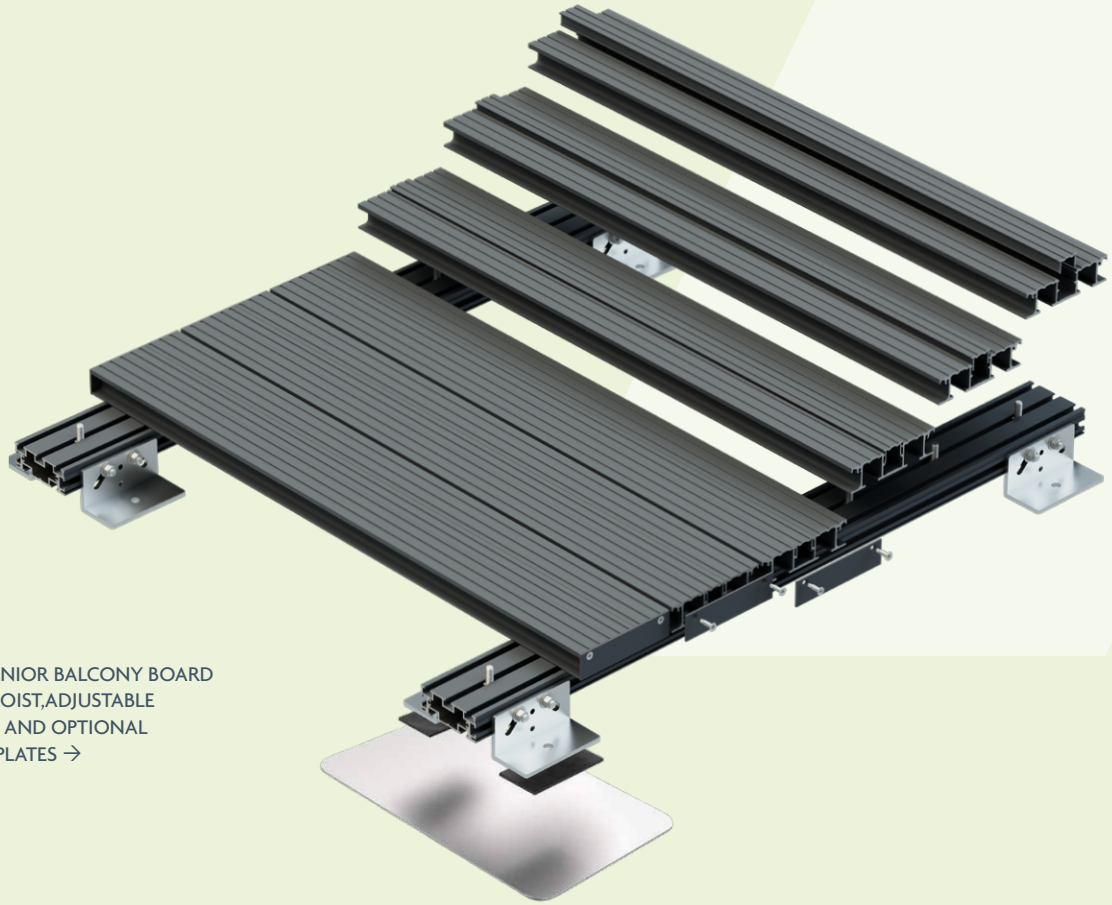
Manor Road Quarter: 102-103



AS SEEN ON THE BACK COVER

Crawford Building: 104-105





ALIDECK SENIOR BALCONY BOARD WITH LITE JOIST,ADJUSTABLE PEDESTALS, AND OPTIONAL SPREADER PLATES →

An introduction to ALIDECK

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

Our aim is to enable our customers to make their balcony, terrace, and walkway projects a success by helping you to purchase the right specification products, every time.

We're on a mission to make decking and balcony projects more successful for all involved and our unique three-stage process is how we achieve this.

Developed with the benefit of decades of experience in aluminium extrusion, the 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.

We continue to lead the industry in product innovation, with the AliDrain Aluminium Drainage, AliRail Modular Balustrades, AliClad Soffit & Cladding, and A-Fence Aluminium Fencing being available to our customers off-the-shelf.

These kit-form balcony component systems and drainage solutions are now the ideal solution for steel fabricators, architects, and developers.

Introducing ALIDECK

Manufacturer of 5 A-Rated Fire Safe Brands for Complete Balcony, Terrace, and Walkway Solutions.

Our focus is on creating and implementing the most valuable project solutions, every time. We want to make a real difference by championing better solutions that are valued and appreciated by all involved in decking and balcony projects.

This helps to safeguard the quality of life of those who live with aluminium decking, and the reputation of our customers and their customers, now and in the future.

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.



Achieve **Project Success** With AliDeck

We design, manufacture and supply aluminium decking and balcony component systems. What drives us is to make a real difference together with our customers, by championing better solutions and outcomes that are valued and appreciated by all involved in decking and balcony projects.

PROJECT SUCCESS BUILT-IN

At AliDeck we enable our customers to make their decking and balcony projects a success every time.

We do this by helping them to purchase the right specification products and plan and implement installation as cost effectively as possible.

Our unique Three Stage Process is how we achieve this. By working closely with our customers from the first point of contact to understand their goals and what success looks like for them, we are able to value engineer the right system solution and create operational efficiencies to maximise the project outcome.

OUR PROCESS

UNDERSTAND PROJECT NEEDS & SUCCESS

From the first point of contact, we will work closely with you to understand Your Project Success Criteria and outline the goals you need to achieve for your project to be a success.

VALUE ENGINEER THE RIGHT SOLUTION

We will create Your Project Success Plan, a tailored proposal that is the optimal specification of products for project success, both in terms of cost-effectiveness and outcome.

CREATE OPERATIONS EFFICIENCIES AND THE RIGHT END RESULT

Once your order is placed we will implement Your Project Success Pack, a detailed schedule for completion of your AliDeck project and will work hand-in-glove together with you to successful completion.

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.

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 following deficits in construction standards highlighted through the Hackitt Report.

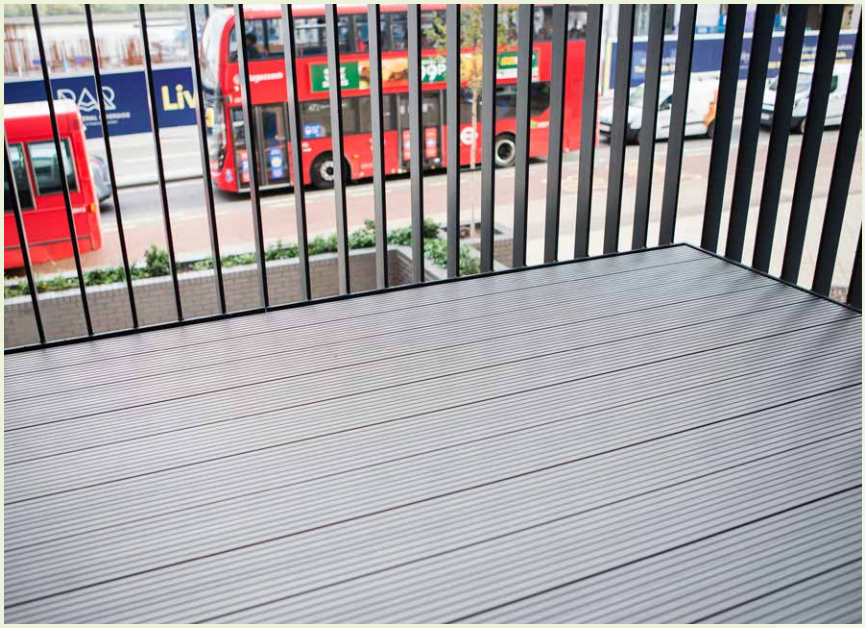
The ramifications for balcony construction are clear but understanding all the available options and their wider compliance, safety, and cost implications is no easy task.

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

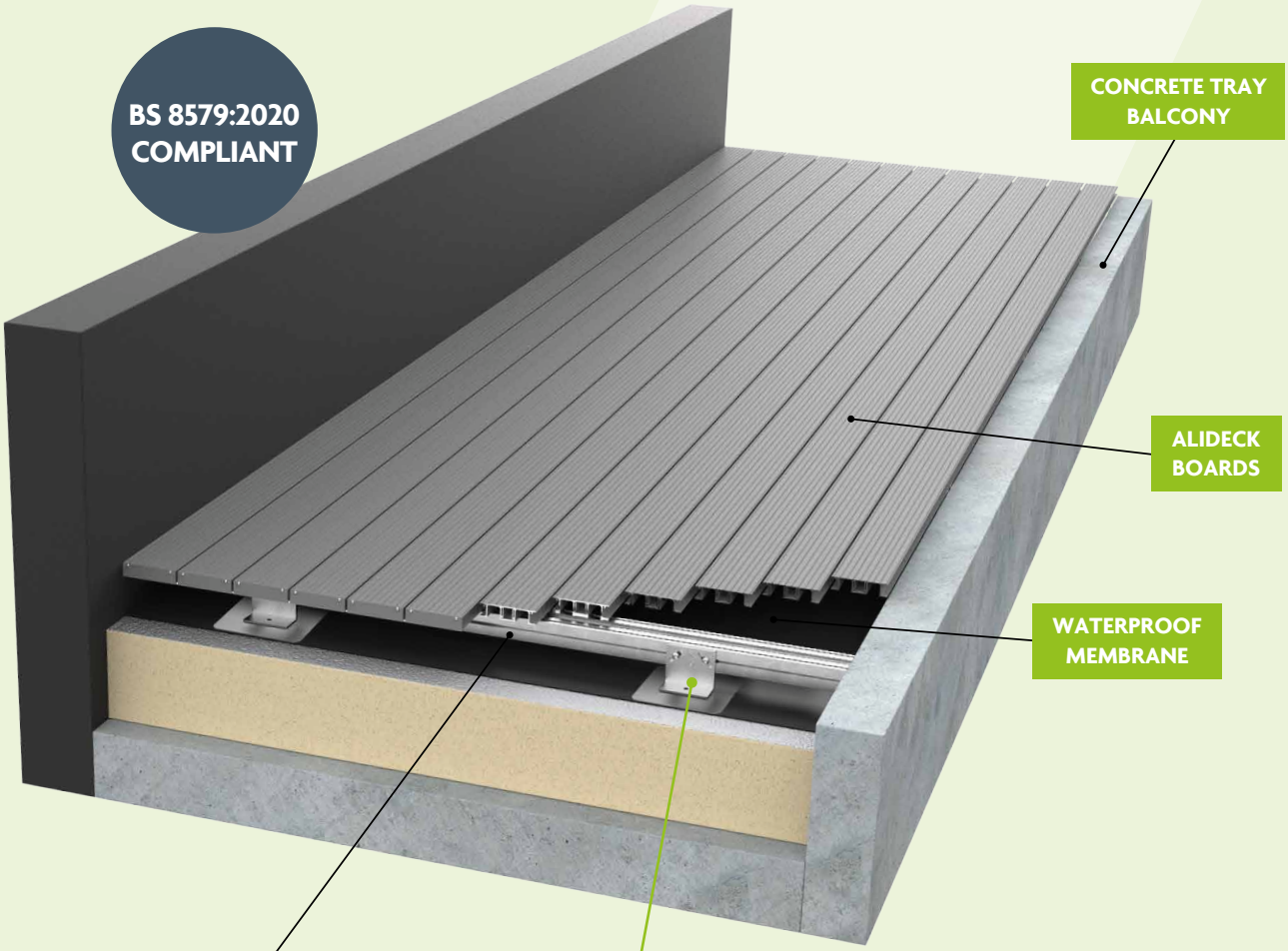
The AliDeck System is a fully-certified and regulation-compliant range of products. With a host of 20mm and 30mm decking boards available in flat or ridged specification, along with various support joists and pedestals, the AliDeck System is appropriate for any steel or concrete balcony application.

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.





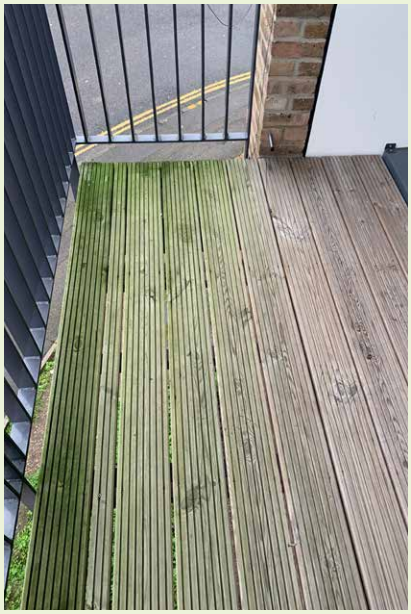
When deciding on the best options to choose for concrete balconies or terrace areas it is important to have a range of solutions to deal with differing height build-ups. We have developed systems that can be installed on to waterproof membranes that are either level or laid to fall, we have systems that 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 A2-s1, d0 and A2fl-s1 for complete peace of mind.





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.

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.

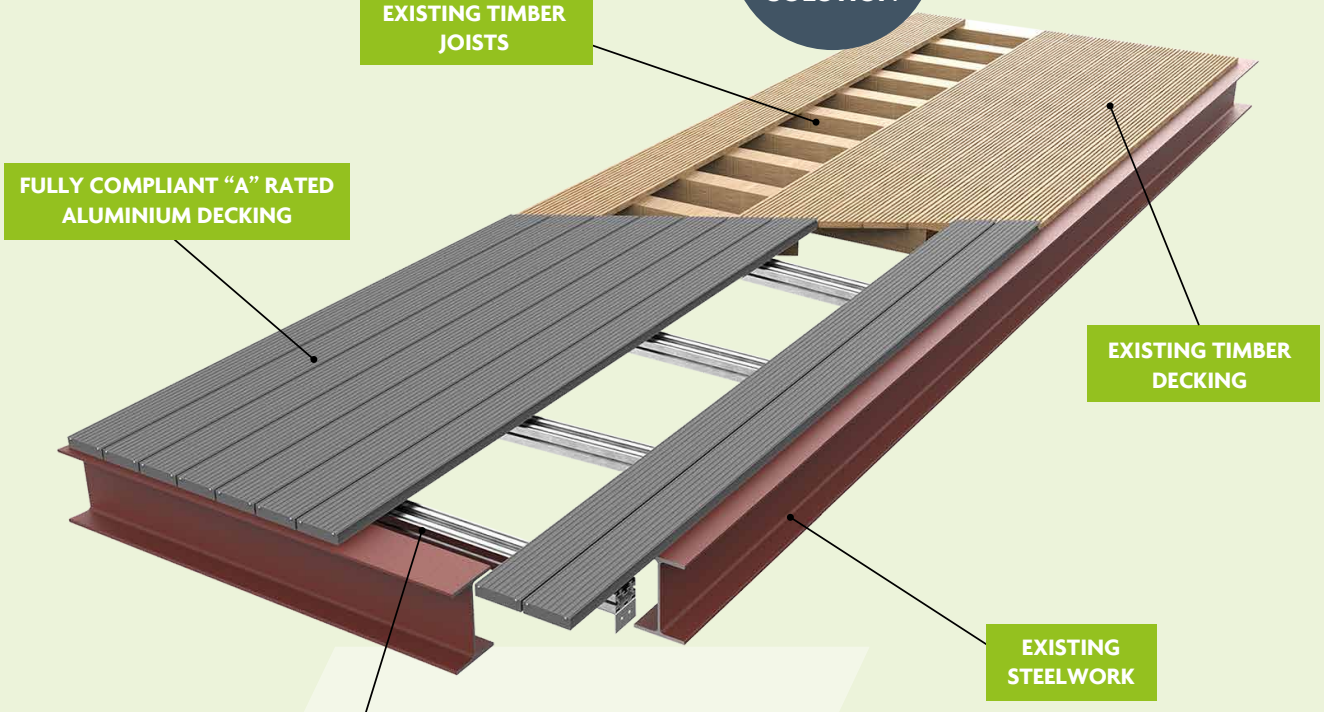
AliDeck recently launched our newly redesigned AliDeck Lite Board V2, a cost-effective, low-profile solution which was designed specifically for remediation, value-engineering, and new build applications. The Lite Board V2 delivers a non-combustible, hassle-free timber or composite replacement decking solution that is tailor-made for property owners looking for the most cost-effective way to achieve compliance with new fire-safety legislation.

We listened to our customers' feedback and redesigned the Lite Board V2 to be more cost-effective and hassle-free. Our highly-skilled mechanical engineers created this ground-breaking solution, demonstrating our commitment to trail blazing innovation. The new design falls in line with our other decking boards, offering the same benefits and technical capabilities while satisfying any value-engineering projects better than ever before.





IDEAL FIRE-SAFETY REMEDIATION SOLUTION





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.



Deflection Testing

Independently tested in-line with BS8579:2020 (decking boards); BS8118 “Structural Use of Aluminium”; BS6399 “Design Loads for Buildings”; BS EN 1991-1-1 2002: “Actions on Structures” (decking joists).

BS8579:2020 requires that “the pedestrian surface” (ie; the decking boards) deflects no more than 5mm under a static point load of 2.0kN. For the support joists, the Standards state 1.4kN as a minimum acceptable point load which we have applied alongside a criteria of L/360 to define the maximum permissible deflection. The results of these tests determine the maximum allowable span of the products.

Reaction To Fire

AliDeck is dedicated to producing non-combustible, fire-safe aluminium decking systems to ensure full compliance with legislation. Independently tested to EN 13823, EN 13501 and EN ISO 1716, the AliDeck System achieves Fire Ratings of A2-s1, d0 and A2fl-s1, satisfying all fire-safety legislation and ensuring compliance for new build and renewal projects.

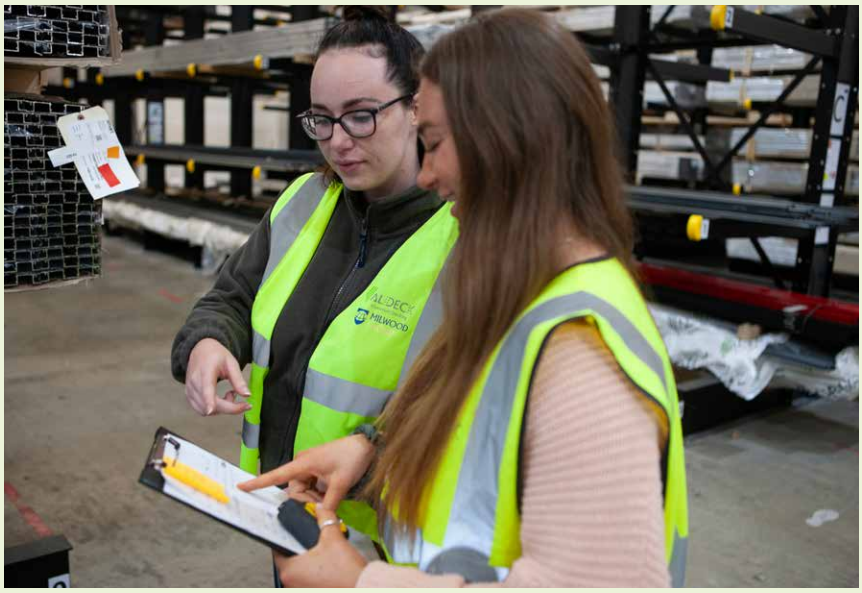
Following the Hackitt Report, there has been a far greater scrutiny on fire-safety in high-rise buildings. It is absolutely essential that all materials used in the external envelope are non-combustible. AliDeck’s fire certification provides our customers with the peace-of-mind that they are investing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

A2-s1, d0 & A2fl-s1 FIRE RATED



UK BASED MANUFACTURER

We are thrilled to announce that AliDeck has officially been granted the prestigious **'Made in Britain'** certification. This accolade not only underscores our commitment to quality but also affirms our dedication to supporting British manufacturing.



What 'Made in Britain' Means for Our Customers:

✓ **Superior Quality:**
By using the highest grades of aluminium, our products are crafted to exceed expectations. This certification highlights our dedication to quality, contrasting sharply with cheaper, imported alternatives.

✓ **Enhanced Trust:**
Alongside our UKCA accreditation, the 'Made in Britain' mark provides assurance to our partners and approved installers of our products' reliability and compliance with stringent British standards.

✓ **Cost-Effective Solutions:**
Our commitment to quality and local manufacturing means we deliver cost-effective solutions without compromising on performance, offering excellent value for money.

✓ **Futureproof Projects:**
With AliDeck products, customers can be confident in the durability and longevity of their projects, ensuring sustained success.

MADE IN BRITAIN®

Benefits for Various Audiences:

✓ **Steel Fabricators:**
Benefit from high-quality, reliable materials for seamless integration into larger structures.

✓ **Balcony Manufacturers:**
Assurance of strength and durability for safe and long-lasting installations.

✓ **Developers:**
Peace of mind knowing that projects will meet current and future standards.

✓ **Architects:**
Superior materials that complement innovative designs and demanding specifications.

✓ **Specifiers:**
Confidence in specifying products that are high in quality and ethically manufactured in the UK.



By integrating the 'Made in Britain' mark, we highlight our role in promoting skilled jobs, responsible business practices, and sustainable growth within the UK.
This certification enhances the value we bring to balcony, terrace, walkway, and fencing projects. Together with our partners and approved installers, we look forward to achieving project success and building a future of excellence.

POWDER COATING

AliDeck is proud to say that we have full control over our very own in-house seven-stage pre-treatment powder-coating line which is used to Qualicoat Seaside Standard at our head office and warehouse facility in Rochester, Kent.

A game-changing shift in the way we operate, this means that we are able to now control even more of the overall production process, ensuring that project success is built into our range.

With a 95% recovery & recycle booth, we are able to powder-coat all of our decking boards and balcony component systems in line with Qualicoat standards.

A powder-coat finish allows our products to be fire rated to A2-s1, d0 standards which remains well within the current regulations and British Standards.

We offer 10 colours as standard, with the option to match bespoke requests of any colour at an additional cost.

We offer two textures, a smooth and finer texture, and a rougher texture to provide a grippier finish. It is worth noting, however, that rough texture is not available on our balustrade systems.

We powder coat to class 2 standard which is far above the industry standard.

Please enquire if you would like to know more about the differences.







HEAT TESTING

Does Aluminium Decking Get Hot? Comparative heat-testing performed on AliDeck decking boards vs timber and composite boards

One of the most common questions we hear is "Does aluminium decking get hot?", and it has often been difficult to give a concise answer.

July 2022 saw record temperatures across the South East, the highest the UK has ever seen. This created an optimal time for us to undertake an experiment at our head office in Rochester to answer this question as to whether aluminium decking becomes unduly hot.

We built a simple testing rig, comprised of two 500mm lengths of aluminium decking, two of timber decking, and two of composite decking. Sited in direct sunlight and with measurements taken throughout, the data collected from each test was revealing.

More information on our website:
www.alideck.co.uk/heat-test/

Test 1: Reflective Surface Temperature

Beginning the test by keeping the test rig in the shade for 2 hours to achieve a baseline temperature, we moved the rig into a new location with direct sunlight for the test proper.

Performing regular measurements throughout the day using a laser-gun infrared thermometer, we captured data over three hours before returning the rig to the shade for 15 minutes to measure cool-down.

MATERIAL	BASELINE AFTER 2 HOURS IN SHADE	AFTER 30 MINS IN DIRECT SUNLIGHT	AFTER 1 HOUR IN DIRECT SUNLIGHT	AFTER 2 HOURS IN DIRECT SUNLIGHT	AFTER 3 HOURS IN DIRECT SUNLIGHT	AFTER 15 MINS IN SHADE
Timber	29.7°C	53°C	52.3°C	54.8°C	56.5°C	35.9°C
Composite	29.1°C	53.7°C	54.6°C	57.5°C	58°C	40.9°C
Aluminium	28.9°C	46.4°C	44.6°C	46.3°C	49.3°C	33.9°C

Timber Average in Direct Sunlight	54.15°C
Composite Average in Direct Sunlight	55.95°C
Aluminium Average in Direct Sunlight	46.65°C
Ambient temp	35-38°C
Test Date	19-Jul-22
Location	Rochester, Kent
Time at Baseline	10:55am



TIMBER



COMPOSITE



ALUMINIUM

Aluminium decking does not get significantly hotter than timber and composite decking

The data speaks for itself; aluminium decking was by far the best performing material in the Reflective Surface Temperature test and performed at essentially the same level as composite decking (and only a few degrees above timber decking) in the Material Core Temperature test.

So, we finally have an answer to the question; "Does aluminium decking get hot?", and that answer is "Not any hotter than timber or composite decking, and it gets cooler quicker too!"



Test 2: Material Core Temperature test

Again, keeping the rig shaded for a period to start the test at ambient temperature level, moved the rig into the sunlight for one hour.

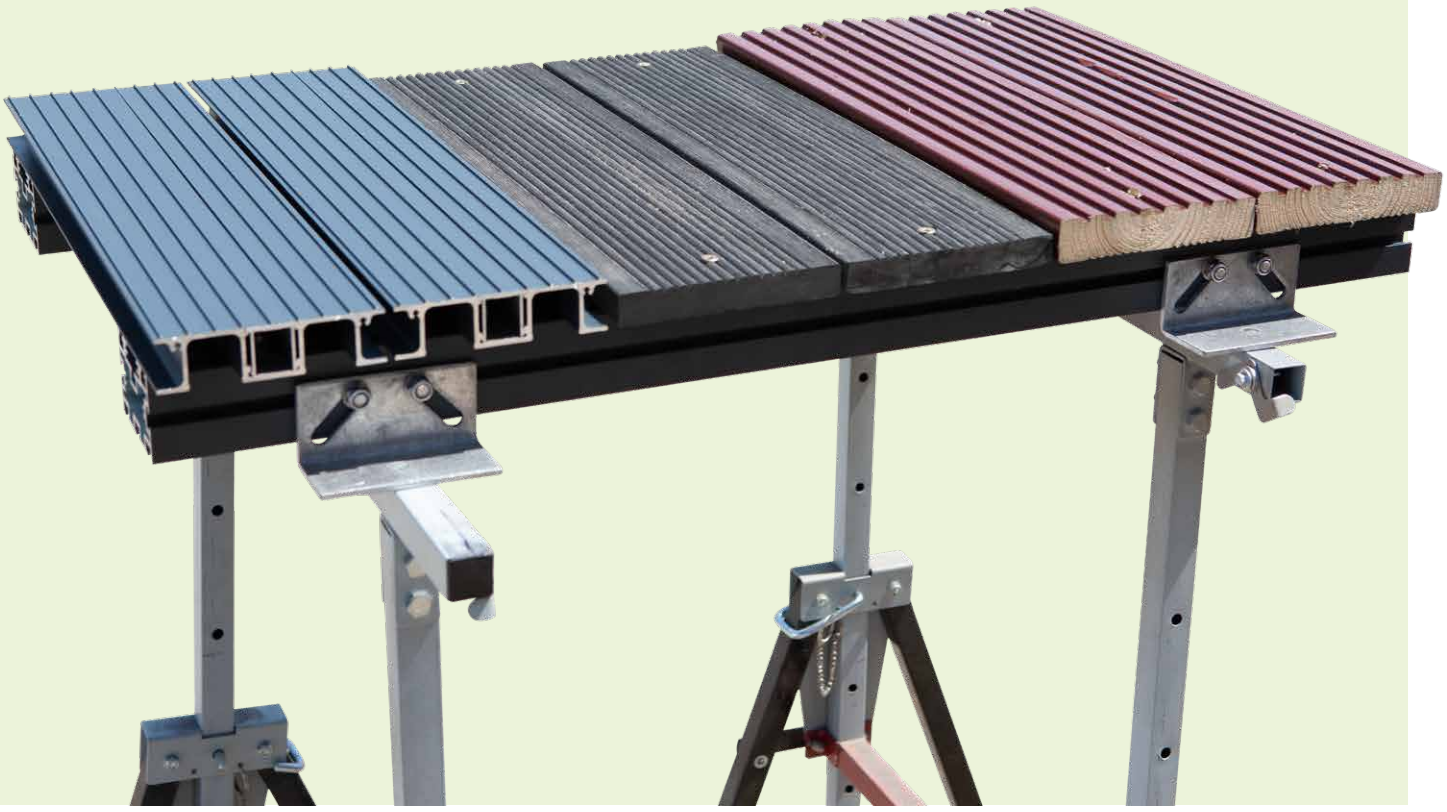
Using an Elcometer 215 Oven Data Logger, a temperature profiling device used to continuously record material temperature as it passes through our powder-coat oven, we connected probes to all decking materials and recorded temperatures every 5 seconds for the duration of the test.

MATERIAL	MAXIMUM TEMPERATURE RECORDED DURING 1 HOUR IN SUNLIGHT
Timber	37.0°C
Composite	39.3°C
Aluminium	40.9°C

Ambient temp	25°C
Test Date	4-Aug-22
Location	Rochester, Kent
Time at Start	11:00am

Please visit FAQs available on our website.

TESTING RIG ↓



The AliDeck SENIOR RIDGED BALCONY BOARD

DESIGNED TO SPAN 1200mm CENTRE TO CENTRE

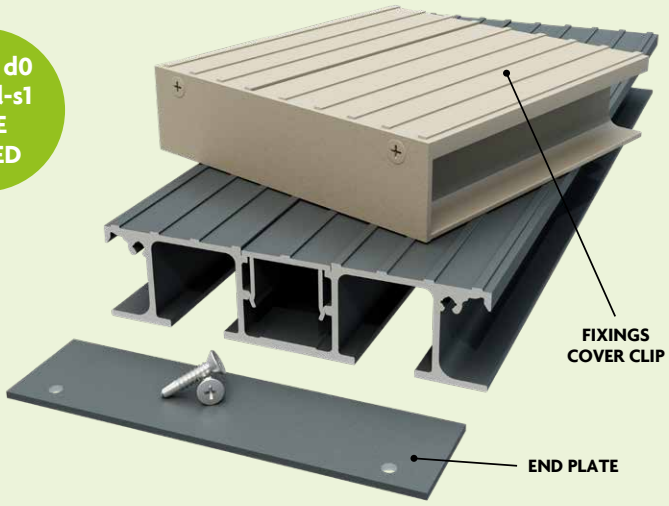
Benefits include:

- A2-s1, d0 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

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 can span 1200mm between supports on a 2kN point load and can be used with all of our support and drainage systems.

A2-s1, d0 & A2fl-s1 FIRE RATED

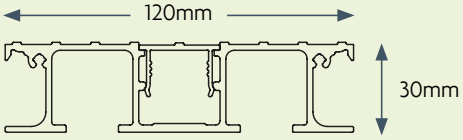


PRODUCT SPECIFICATION

- **Fire Rated: A2-s1, d0 & A2fl-s1**
- **Dimensions: 120mm x 30mm**
- **Material: 6063 T6 aluminium 67% minimum recycled**
- **Colour: Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**
- **Stock Extrusion Length: 4m & 6m**
- **Span: 1200mm**
- **Slip Resistance Tested – Significantly passes highest rating in the wet and dry**



Dimensions



Also available in flat design, see page 18.

1 FIRE RESISTANCE

The boards are manufactured completely from aluminium and are therefore fire resistant and non-combustible to **A2-s1, d0** 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

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.

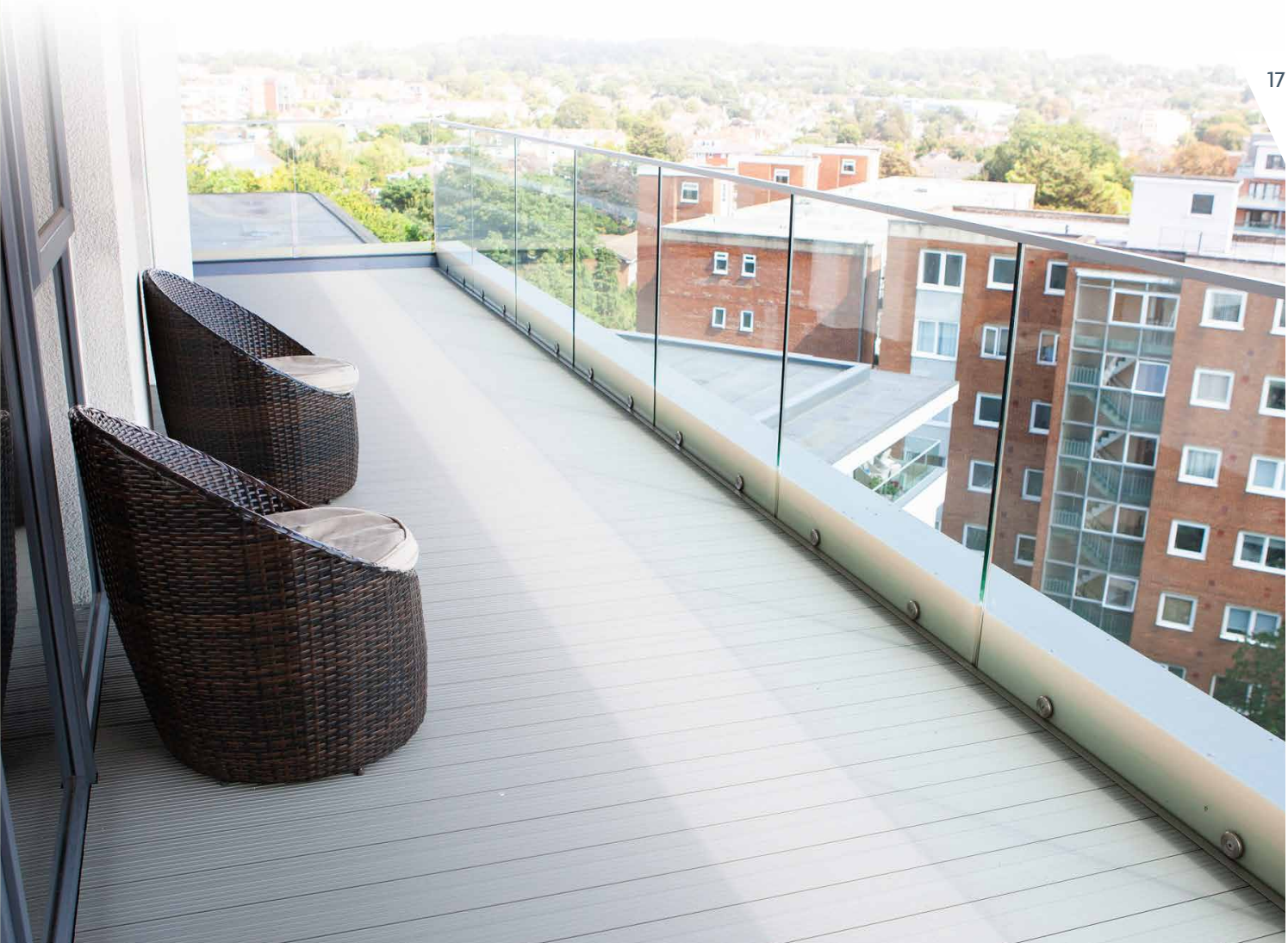
The full test report is available for download from our website.

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

AliDeck operates its very own Qualicoat Standard IN-HOUSE seven-stage pre-treatment powder-coating facility using Class 2 powders for complete peace of mind.



The AliDeck SENIOR FLAT BALCONY BOARD

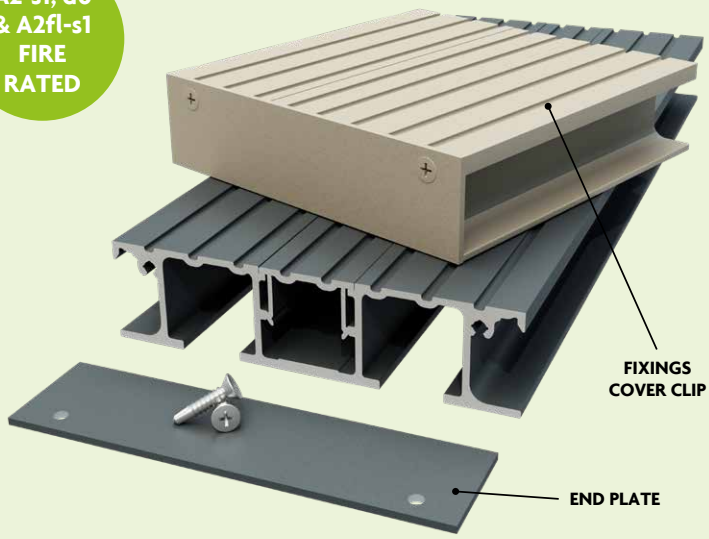
DESIGNED TO SPAN 1200mm CENTRE TO CENTRE

Benefits include:

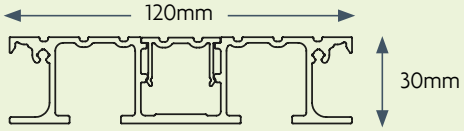
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- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

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. It can span 1200mm between supports on a 2kN point load and can be used with all of our support systems and gutter systems.

A2-s1, d0 & A2fl-s1 FIRE RATED



Dimensions



PRODUCT SPECIFICATION

- **Fire Rated: A2-s1, d0 & A2fl-s1**
- **Dimensions: 120mm x 30mm**
- **Material: 6063 T6 aluminium 67% minimum recycled**
- **Colour: Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**
- **Stock Extrusion Length: 4m & 6m**
- **Span: 1200mm**
- **Slip Resistance Tested – Significantly passes highest rating in the wet and dry**



1 FIRE RESISTANCE

The boards are manufactured completely from aluminium and are therefore fire resistant and non-combustible to **A2-s1, d0** and **A2fl-s1** when coated.

2 DRAINAGE

They can also be spaced to allow for varying drainage requirements (unlike any other system).

3 SLIP RESISTANCE

DIRECTION	CONDITION				1	2	3	4	5	MEAN	PREV	RISK
A	Dry	70	68	67	67	67	67	67	66	100	0	Low
A	Wet	44	41	39	39	39	38	38	38	84	0	Low
B	Dry	65	64	64	64	64	64	63	62	77	0	Low
B	Wet	44	44	39	38	38	38	38	38	45	0	Low
C	Dry	66	65	64	64	64	63	62	62	96	0	Low
C	Wet	50	47	45	45	45	44	44	44	54	0	Low

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

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.

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

AliDeck operates its very own Qualicoat Standard IN-HOUSE seven-stage pre-treatment powder-coating facility using Class 2 powders for complete peace of mind.



The AliDeck JUNIOR RIDGED BALCONY BOARD

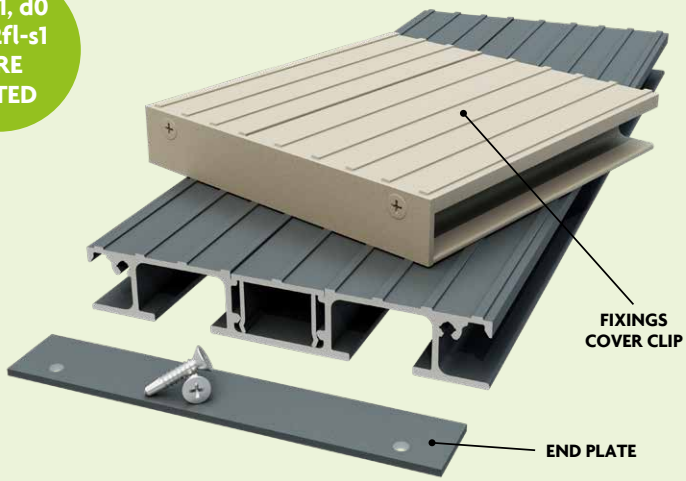
DESIGNED TO SPAN 800mm CENTRE TO CENTRE

Benefits include:

- A2-s1, d0 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

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 can span 800mm between supports on a 2kN point load and can be used with all of our support and drainage systems.

A2-s1, d0 & A2fl-s1 FIRE RATED

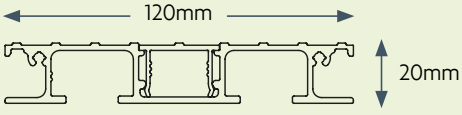


PRODUCT SPECIFICATION

- **Fire Rated: A2-s1, d0 & A2fl-s1**
- **Dimensions: 120mm x 20mm**
- **Material: 6063 T6 aluminium 67% minimum recycled**
- **Colour: Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**
- **Stock Extrusion Length: 4m & 6m**
- **Span: 800mm to meet BS8579:2020**
- **Slip Resistance Tested – Significantly passes highest rating in the wet and dry**



Dimensions



Also available in flat design, see page 22.

1 FIRE RESISTANCE

The boards are manufactured completely from aluminium and are therefore fire resistant and non-combustible to **A2-s1, d0** 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

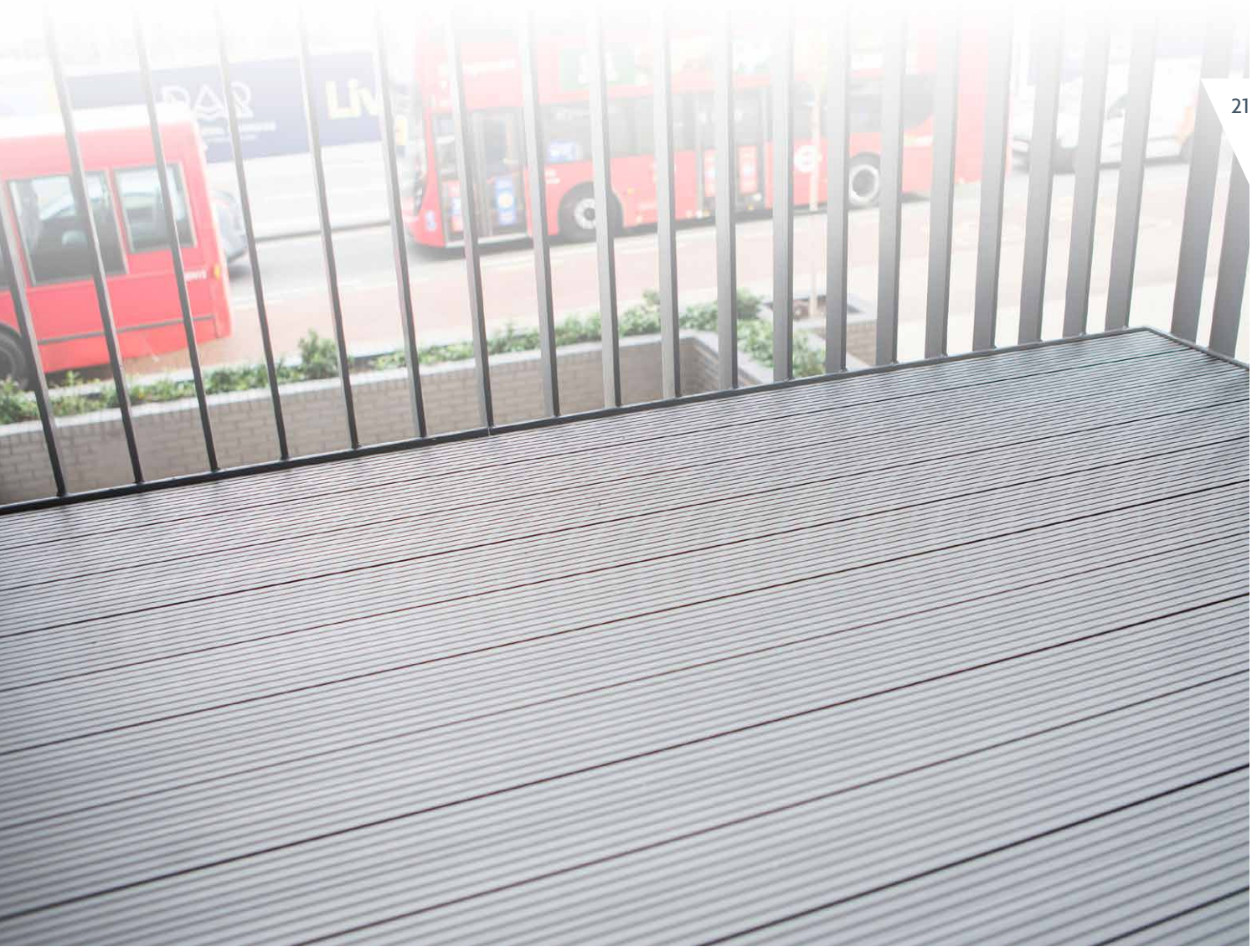
AliDeck operates its very own Qualicoat Standard IN-HOUSE seven-stage pre-treatment powder-coating facility using Class 2 powders for complete peace of mind.

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.



The AliDeck JUNIOR FLAT BALCONY BOARD

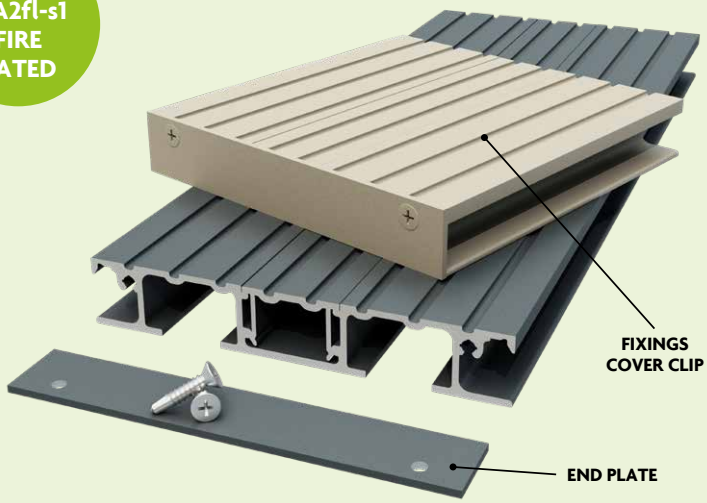
DESIGNED TO SPAN 800mm CENTRE TO CENTRE

Benefits include:

- A2-s1, d0 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

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. It can span 800mm between supports on a 2kN point load and can be used with all of our support systems and gutter systems.

A2-s1, d0 & A2fl-s1 FIRE RATED

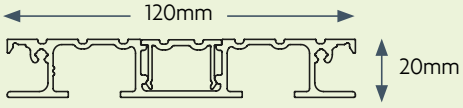


PRODUCT SPECIFICATION

- **Fire Rated: A2-s1, d0 & A2fl-s1**
- **Dimensions: 120mm x 20mm**
- **Material: 6063 T6 aluminium 67% minimum recycled**
- **Colour: Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**
- **Stock Extrusion Length: 4m & 6m**
- **Span: 800mm to meet BS8579:2020**
- **Slip Resistance Tested – Significantly passes highest rating in the wet and dry**



Dimensions



1 FIRE RESISTANCE

The boards are manufactured completely from aluminium and are therefore fire resistant and non-combustible to **A2-s1, d0** and **A2fl-s1** when coated.

2 DRAINAGE

They can also be spaced to allow for varying drainage requirements (unlike any other system).

3 SLIP RESISTANCE

DIRECTION	CONDITION				1	2	3	4	5	MEAN	PREV	RISK
A	Dry	70	68	67	67	67	67	67	66	100	0	Low
A	Wet	44	41	39	39	39	38	38	38	84	0	Low
B	Dry	65	64	64	64	64	64	63	62	77	0	Low
B	Wet	44	44	39	38	38	38	38	38	45	0	Low
C	Dry	66	65	64	64	64	63	62	62	96	0	Low
C	Wet	50	47	45	45	45	44	44	44	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

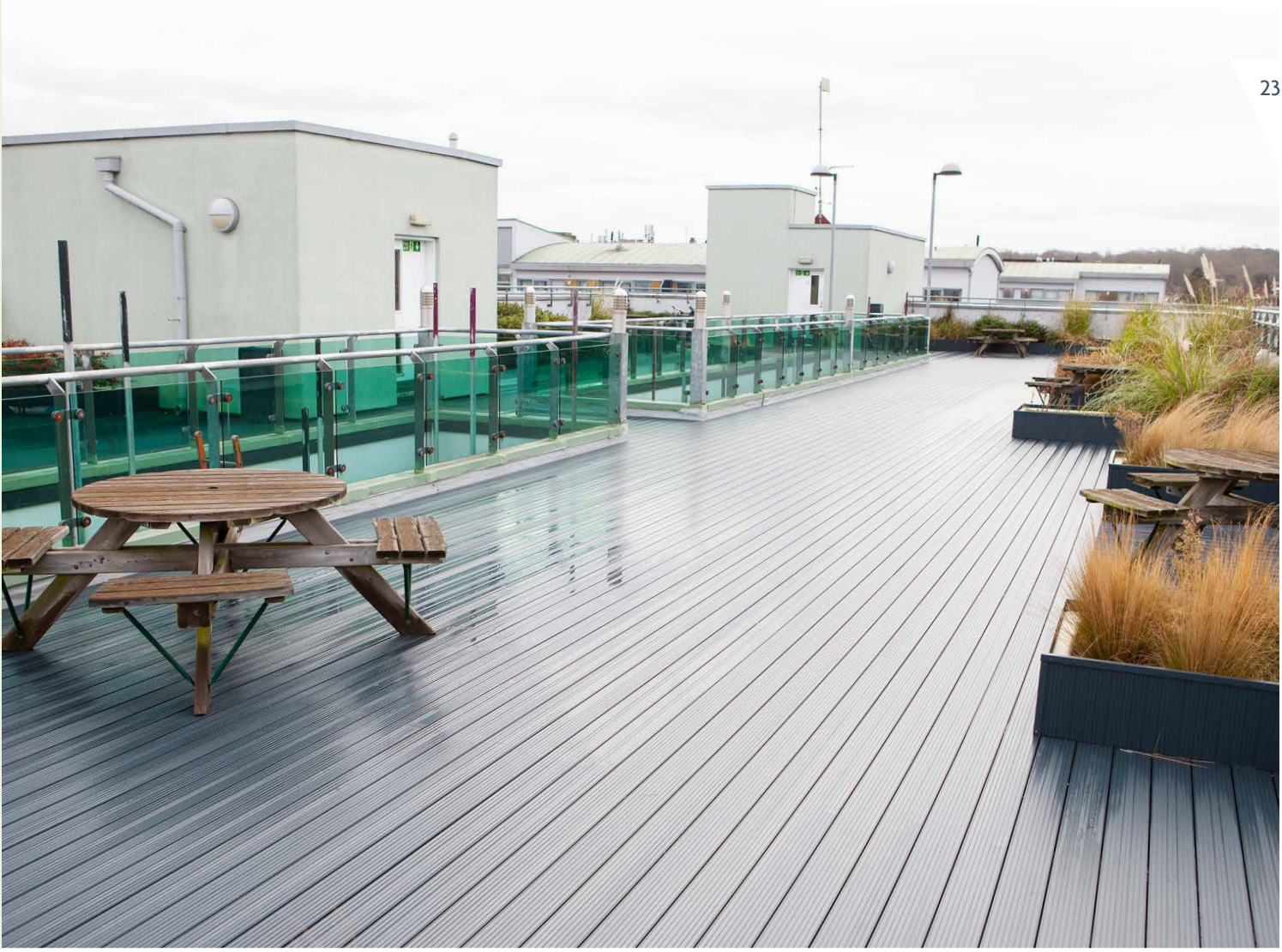
AliDeck operates its very own Qualicoat Standard IN-HOUSE seven-stage pre-treatment powder-coating facility using Class 2 powders for complete peace of mind.

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.



The AliDeck LITE BALCONY BOARD

DESIGNED TO SPAN 600mm CENTRE TO CENTRE

Benefits include:

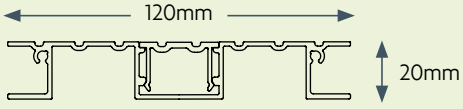
- **A2-s1, d0 & A2fl-s1 FIRE RATED**
- **ALL ALUMINIUM**
- **HEAT RESISTANT**
- **DURABLE TEXTURED FINISH**
- **LOW MAINTENANCE**
- **RECYCLABLE**
- **STABLE IN ALL WEATHER CONDITIONS**

The AliDeck Lite Board V2 is a cost-effective, entry-level aluminium decking board that is perfect for remediation, value-engineering, and new build projects. It can span 600mm between supports on a 2kN point load and can be used with all of our support systems and gutter systems. The V2 design offers hassle-free installation with a top-fix channel system like our other decking board solutions.

A2-s1, d0 & A2fl-s1 FIRE RATED



Dimensions



PRODUCT SPECIFICATION

- **Fire Rated: A2-s1, d0 & A2fl-s1**
- **Dimensions: 120mm x 20mm**
- **Material: 6063 T6 aluminium 67% minimum recycled**
- **Colour: Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**
- **Stock Extrusion lengths 4m and 6m**
- **Span 600mm to meet BS8579:2020**
- **Slip Resistance Tested – Significantly passes highest rating in the wet and dry**



1 FIRE RESISTANCE

The boards are manufactured completely from aluminium and are therefore fire resistant and non-combustible to **A2-s1, d0** and **A2fl-s1** when coated.

2 DRAINAGE

These boards can be used with our gutter and drainage channel system.

3 SLIP RESISTANCE

DIRECTION	CONDITION				1	2	3	4	5	MEAN	PREV	RISK
A	Dry	70	68	67	67	67	67	67	66	100	0	Low
A	Wet	44	41	39	39	39	38	38	38	84	0	Low
B	Dry	65	64	64	64	64	64	63	62	77	0	Low
B	Wet	44	44	39	38	38	38	38	38	45	0	Low
C	Dry	66	65	64	64	64	63	62	62	96	0	Low
C	Wet	50	47	45	45	45	44	44	44	54	0	Low

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

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.

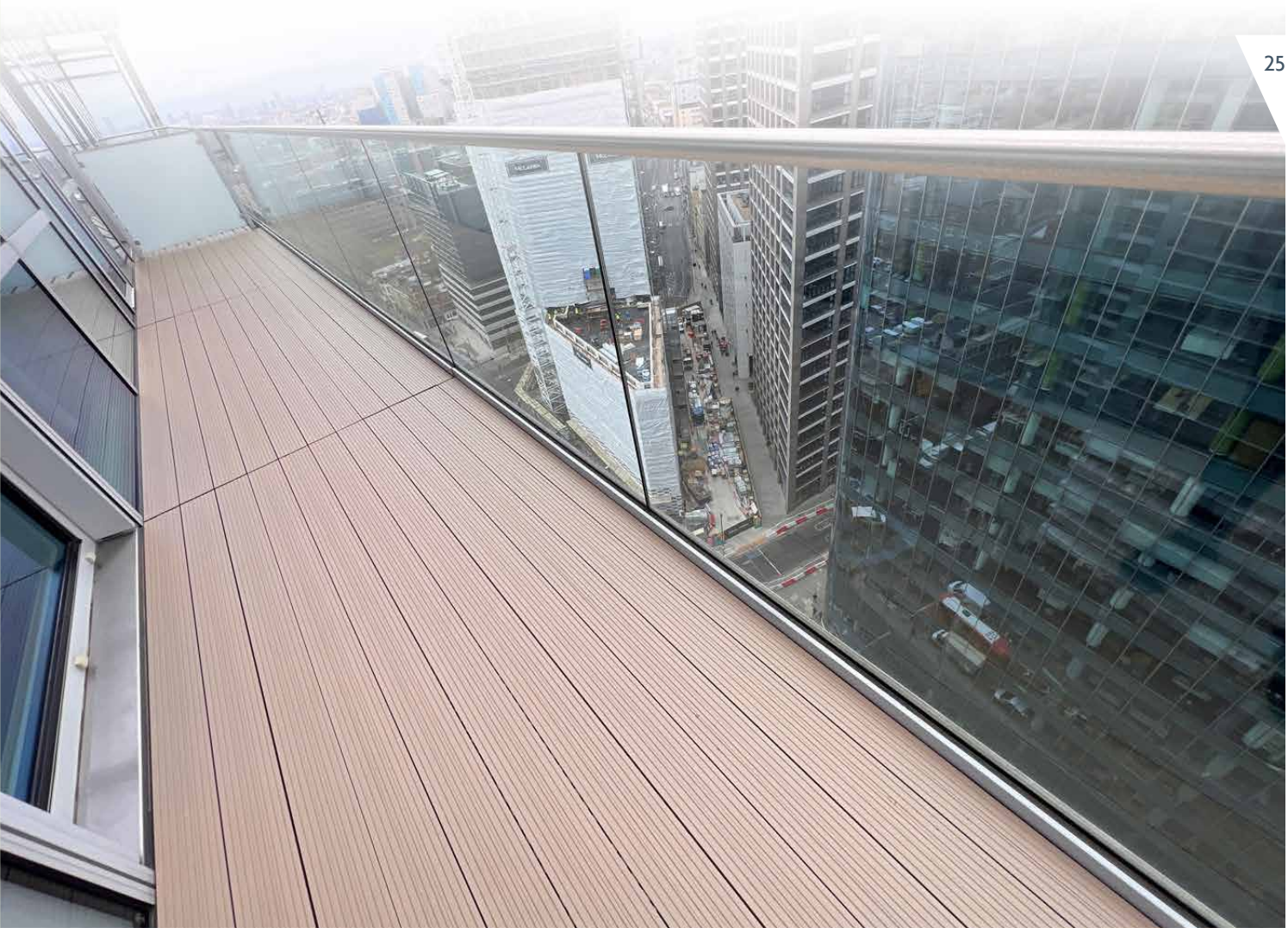
The full test report is available for download from our website.

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

AliDeck operates its very own Qualicoat Standard IN-HOUSE seven-stage pre-treatment powder-coating facility using Class 2 powders for complete peace of mind.



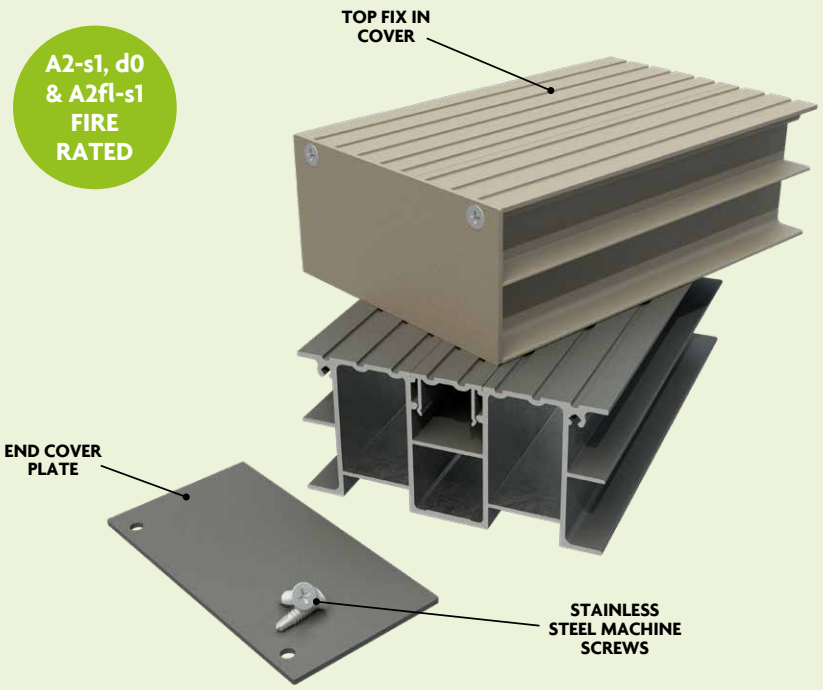
The AliDeck XL BALCONY BOARD

DESIGNED TO SPAN 1800MM CENTRE TO CENTRE

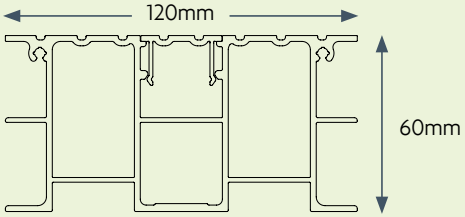
Benefits include:

- A2-s1, d0 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

The AliDeck XL Balcony Board is specifically designed to offset cost on steel and concrete balconies, the AliDeck XL Balcony Flat Board has been designed to span up to 1800mm between bearers.



Dimensions



PRODUCT SPECIFICATION

- **Fire Rated: A2-s1, d0 & A2fl-s1**
- **Dimensions: 120mm x 60mm**
- **Material: 6063 T6 aluminium 67% minimum recycled**
- **Colour: Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**
- **Stock Extrusion Length: 4m & 6m**
- **Span: 1800mm**
- **Slip Resistance Tested – Significantly passes highest rating in the wet and dry**



1 FIRE RESISTANCE

The boards are manufactured completely from aluminium and are therefore fire resistant and non-combustible to **A2-s1, d0** and **A2fl-s1** when coated.

2 DRAINAGE

They can also be spaced to allow for varying drainage requirements (unlike any other system).

3 SLIP RESISTANCE

DIRECTION	CONDITION				1	2	3	4	5	MEAN	PREV	RISK
A	Dry	70	68	67	67	67	67	67	66	100	0	Low
A	Wet	44	41	39	39	39	38	38	38	84	0	Low
B	Dry	65	64	64	64	64	64	63	62	77	0	Low
B	Wet	44	44	39	38	38	38	38	38	45	0	Low
C	Dry	66	65	64	64	64	63	62	62	96	0	Low
C	Wet	50	47	45	45	45	44	44	44	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

AliDeck operates its very own Qualicoat Standard IN-HOUSE seven-stage pre-treatment powder-coating facility using Class 2 powders for complete peace of mind.

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.



The AliDeck ULTRA BALCONY BOARD

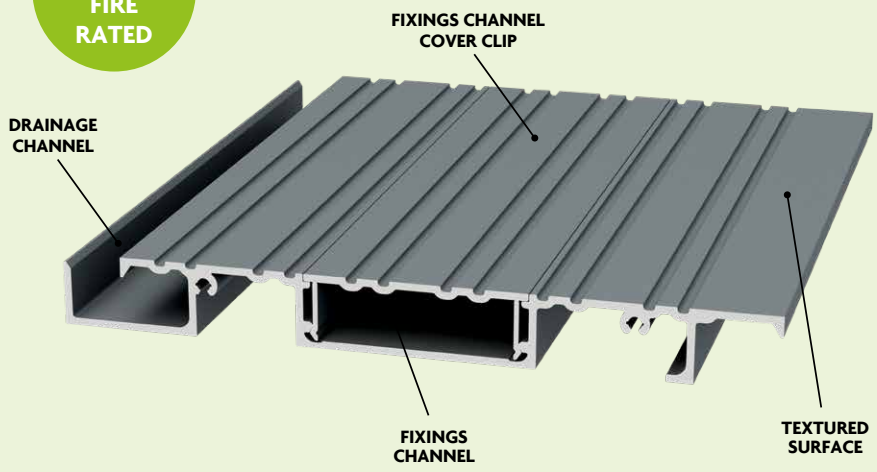
DESIGNED TO SPAN 800mm CENTRE TO CENTRE

Benefits include:

- A2-s1, d0 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

The AliDeck Ultra Board is tailor-made for balcony manufacturers. With an extra-wide surface, the 60mm central fixings channel in the board allows for lifting eyes to be placed with all decking boards in-situ for balconies to be craned into position on-site. With an integrated Drainage Channel providing a water-management solution as standard, the Ultra Board is a cost-effective and complete decking option.

A2-s1, d0 & A2fl-s1 FIRE RATED

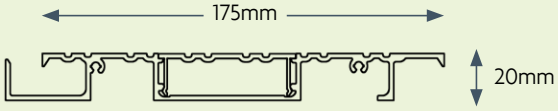


PRODUCT SPECIFICATION

- **Fire Rated: A2-s1, d0 & A2fl-s1**
- **Dimensions 175mm x 20mm**
- **Material: 6063 T6 aluminium 67% minimum recycled**
- **Colour: Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**
- **Stock Extrusion lengths 4m and 6m**
- **Span 800mm to meet BS8579:2020**
- **Slip Resistance Tested – Significantly passes highest rating in the wet and dry**



Dimensions



1 FIRE RESISTANCE

The boards are manufactured completely from aluminium and are therefore fire resistant and non-combustible to **A2-s1, d0** and **A2fl-s1** when coated.

2 DRAINAGE

These boards can be used with our gutter and drainage channel system.

3 SLIP RESISTANCE

DIRECTION	CONDITION				1	2	3	4	5	MEAN	PREV	RISK
A	Dry	70	68	67	67	67	67	67	66	100	0	Low
A	Wet	44	41	39	39	39	38	38	38	84	0	Low
B	Dry	65	64	64	64	64	64	63	62	77	0	Low
B	Wet	44	44	39	38	38	38	38	38	45	0	Low
C	Dry	66	65	64	64	64	63	62	62	96	0	Low
C	Wet	50	47	45	45	45	44	44	44	54	0	Low

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

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.

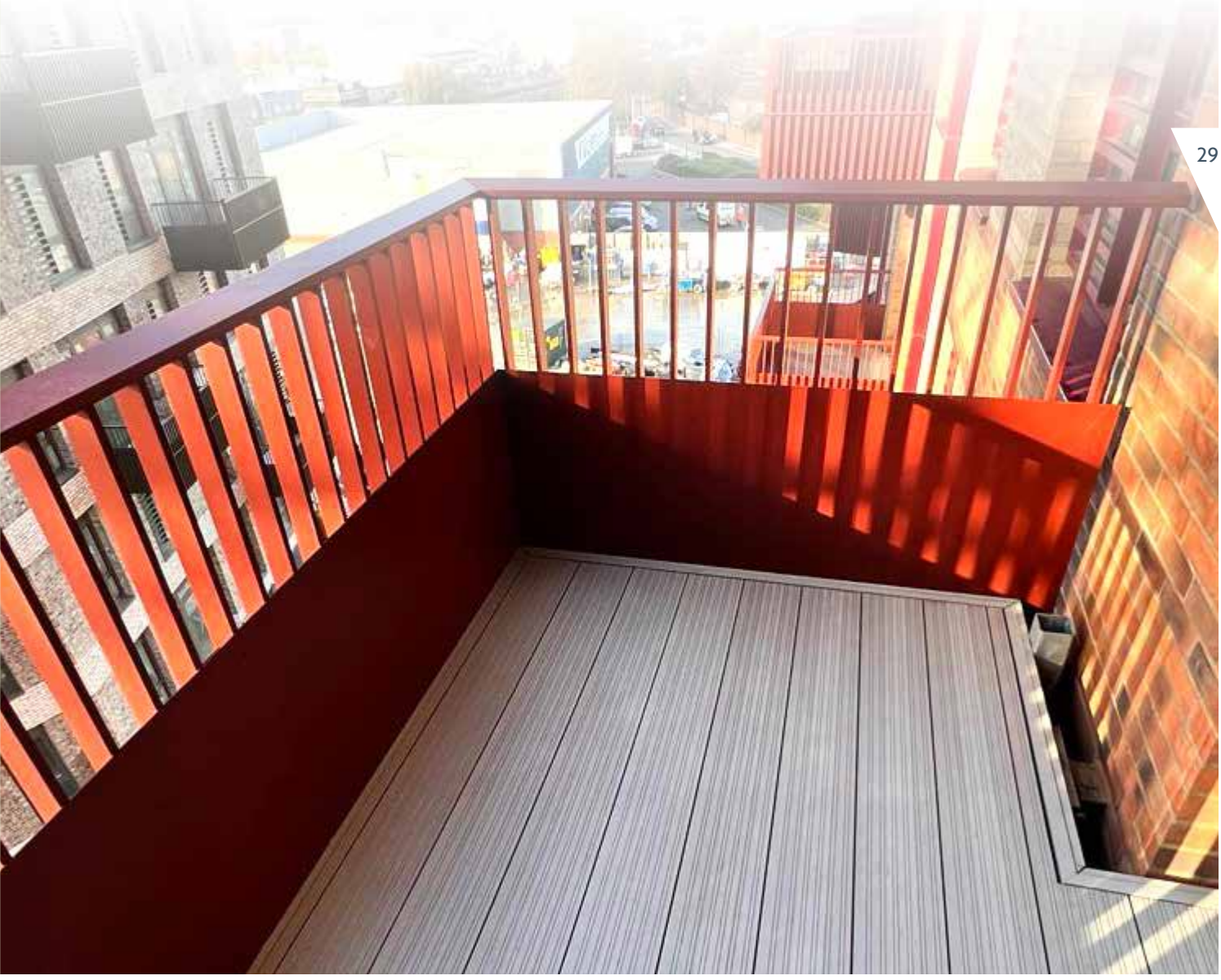
The full test report is available for download from our website.

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

AliDeck operates its very own Qualicoat Standard IN-HOUSE seven-stage pre-treatment powder-coating facility using Class 2 powders for complete peace of mind.



The AliDeck DECKING DRAINAGE SYSTEM

In order to satisfy your warranty and insurance providers drainage requirements for balconies, terraces and walkways, contact us today for project specific calculations.

Benefits include:

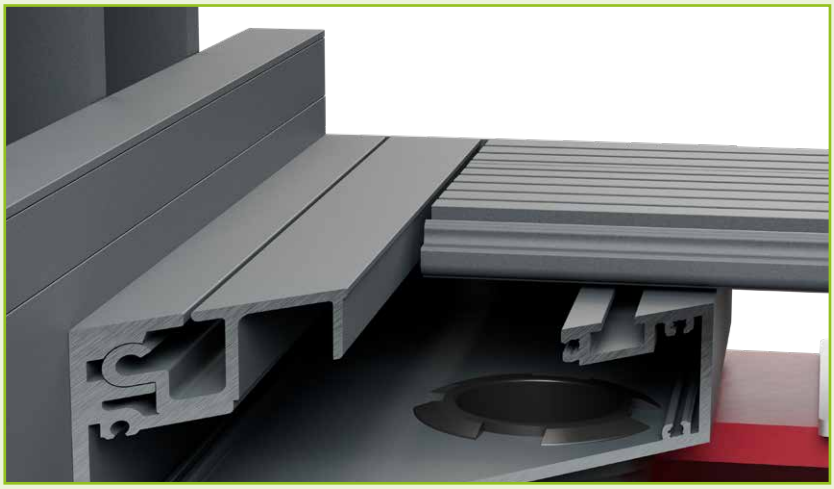
- **A2-s1, d0 & A2fl-s1 FIRE RATED**
- **ALL ALUMINIUM**
- **HEAT RESISTANT**
- **DURABLE TEXTURED FINISH**
- **LOW MAINTENANCE**
- **RECYCLABLE**
- **STABLE IN ALL WEATHER CONDITIONS**

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.

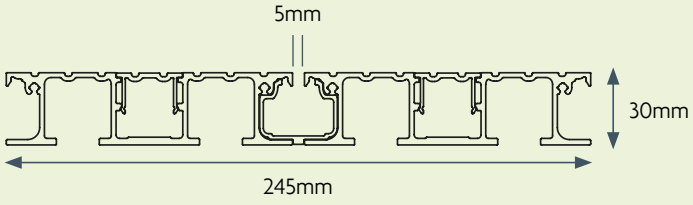
With the AliDeck Drainage Channel sited between AliDeck Senior and Junior Decking Boards, waste water is directed to the ends of the balcony where it is captured by the innovative AliDeck Drainage Guttering and fed to a downpipe or area of your choice. This unique Balcony Drainage System is a direct 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

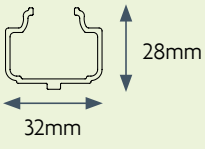
For more aluminium drainage solutions, see our AliDrain range on pages 64-69.



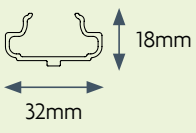
Dimensions



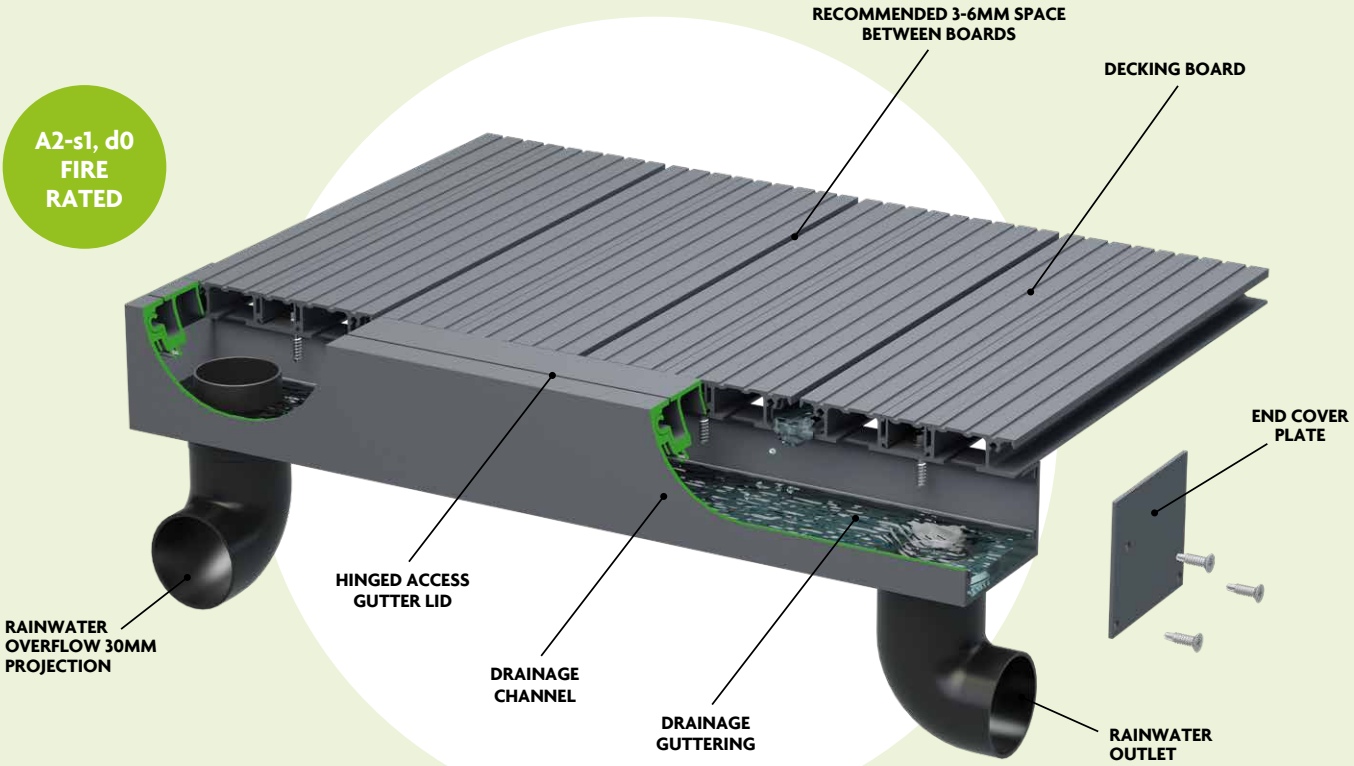
Senior Channel

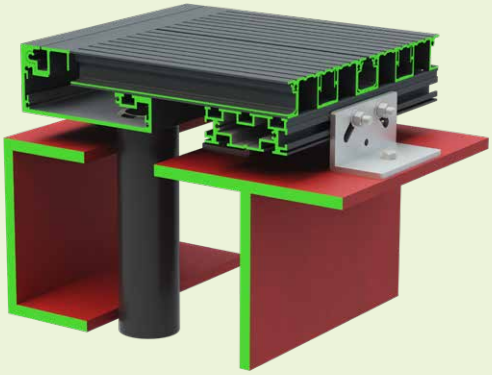


Junior Channel



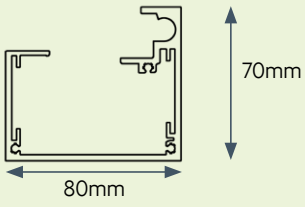
A2-s1, d0 FIRE RATED



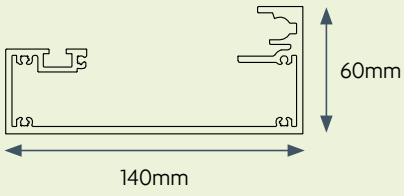




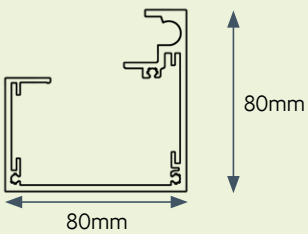
Junior Access Gutter



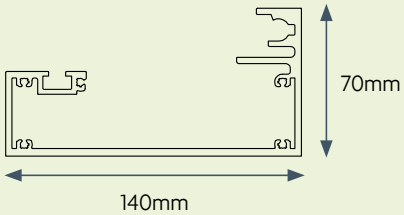
Junior Wide Access Gutter



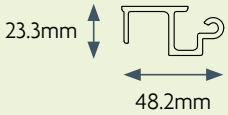
Senior Access Gutter



Senior Wide Access Gutter



Access Gutter Lid



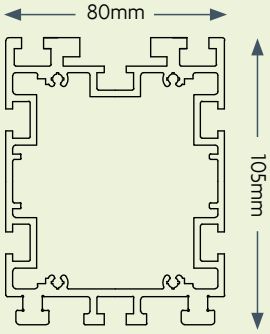
The AliDeck SUPA JOIST

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.

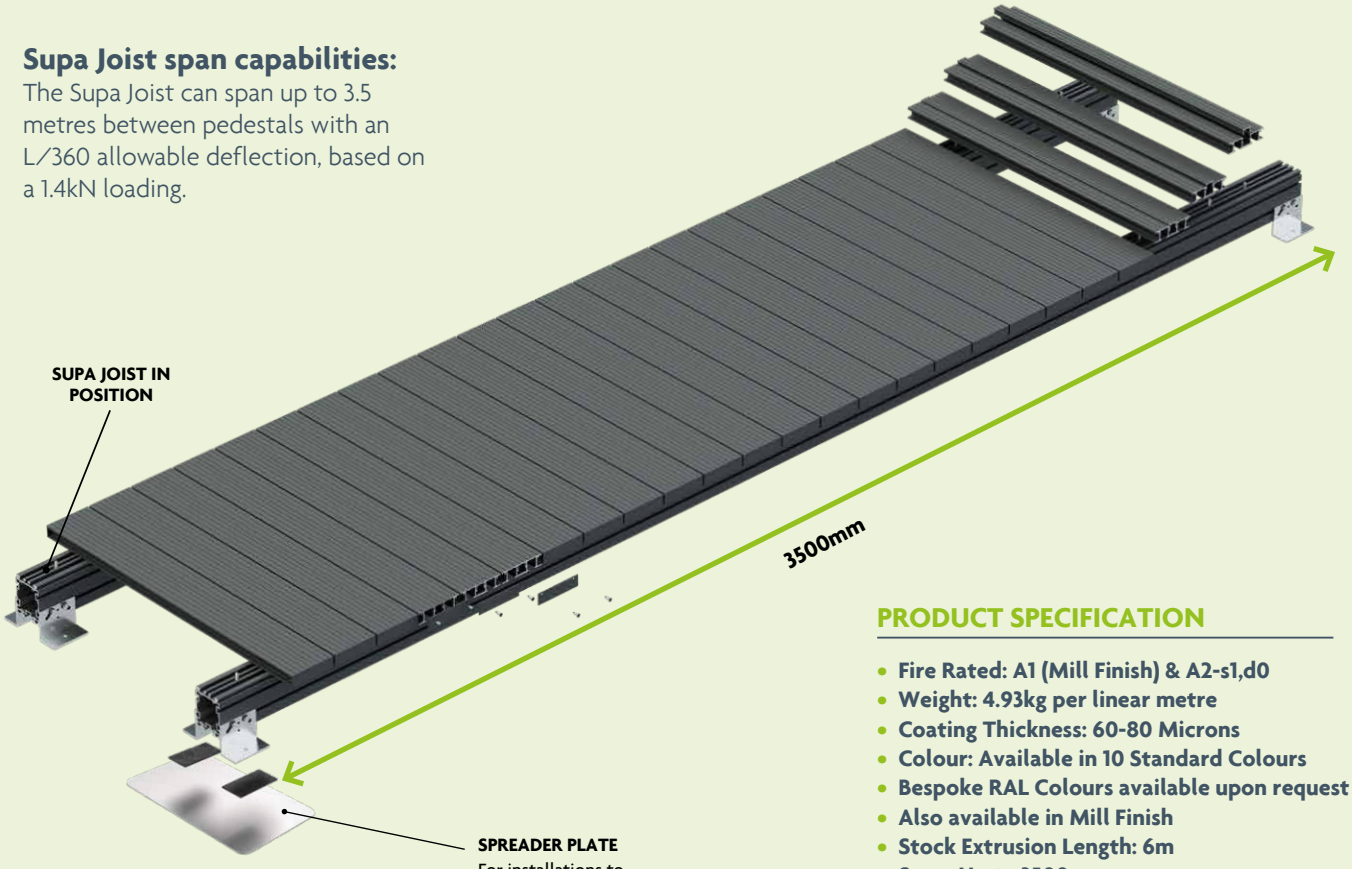
Benefits include:

- 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 up to 3.5 metres between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.



PRODUCT SPECIFICATION

- Fire Rated: A1 (Mill Finish) & A2-s1,d0
- Weight: 4.93kg per linear metre
- Coating Thickness: 60-80 Microns
- Colour: Available in 10 Standard Colours
- Bespoke RAL Colours available upon request
- Also available in Mill Finish
- Stock Extrusion Length: 6m
- Span: Up to 3500mm
- Warranty: 30 Years
- Life Expectancy: 60 Years

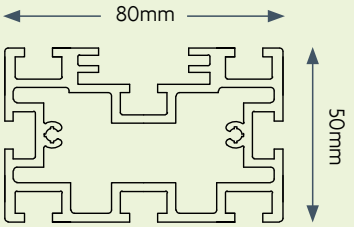
The AliDeck LOW JOIST

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.

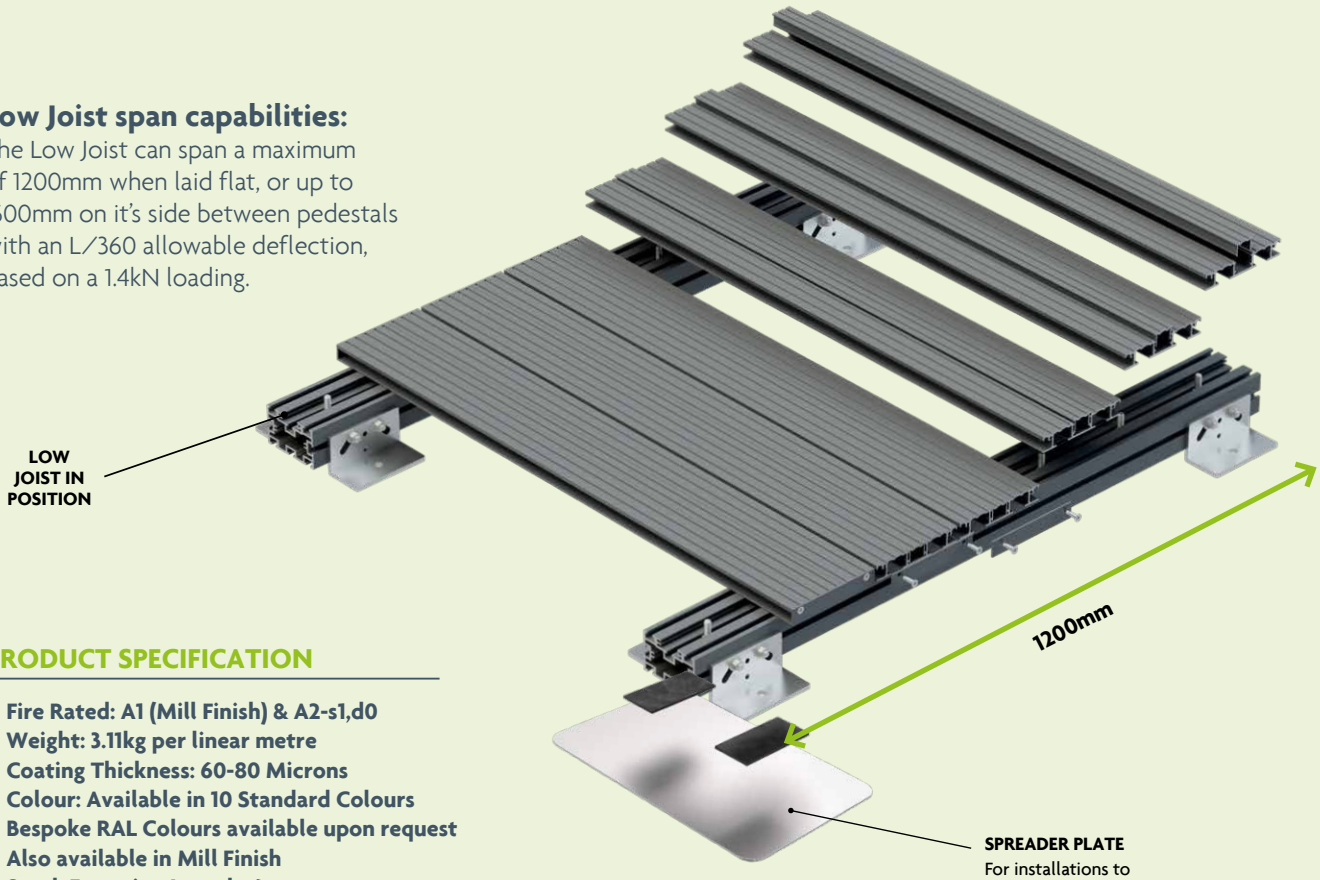
Benefits include:

- 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 1200mm when laid flat, or up to 1500mm on it's side between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.



PRODUCT SPECIFICATION

- **Fire Rated: A1 (Mill Finish) & A2-s1,d0**
- **Weight: 3.11kg per linear metre**
- **Coating Thickness: 60-80 Microns**
- **Colour: Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**
- **Also available in Mill Finish**
- **Stock Extrusion Length: 6m**
- **Span: Up to 1200mm flat or 1500mm on side**
- **Warranty: 30 Years**
- **Life Expectancy: 60 Years**

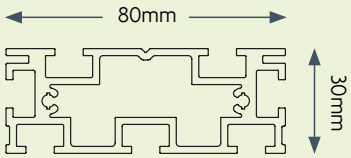
The AliDeck LITE JOIST

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.

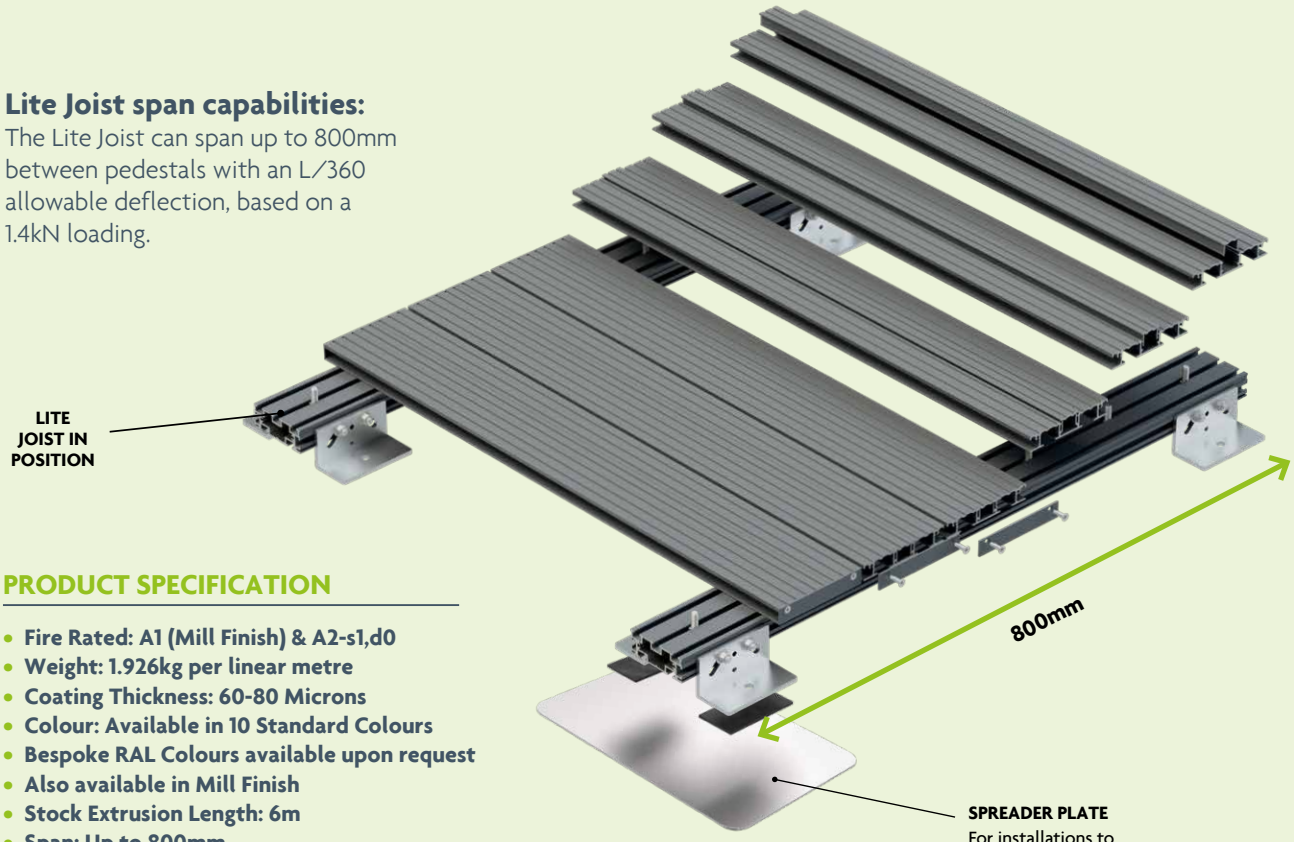
Benefits include:

- **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 up to 800mm between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.



PRODUCT SPECIFICATION

- **Fire Rated: A1 (Mill Finish) & A2-s1,d0**
- **Weight: 1.926kg per linear metre**
- **Coating Thickness: 60-80 Microns**
- **Colour: Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**
- **Also available in Mill Finish**
- **Stock Extrusion Length: 6m**
- **Span: Up to 800mm**
- **Warranty: 30 Years**
- **Life Expectancy: 60 Years**

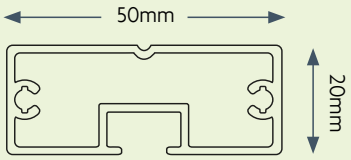
The AliDeck MICRO JOIST

The AliDeck Micro Joist is our ultra low-profile, extremely cost-effective joist option, designed to deliver the greatest flexibility in build-up heights achievable. Compatible with all AliDeck decking boards and fully compliant with fire regulations.

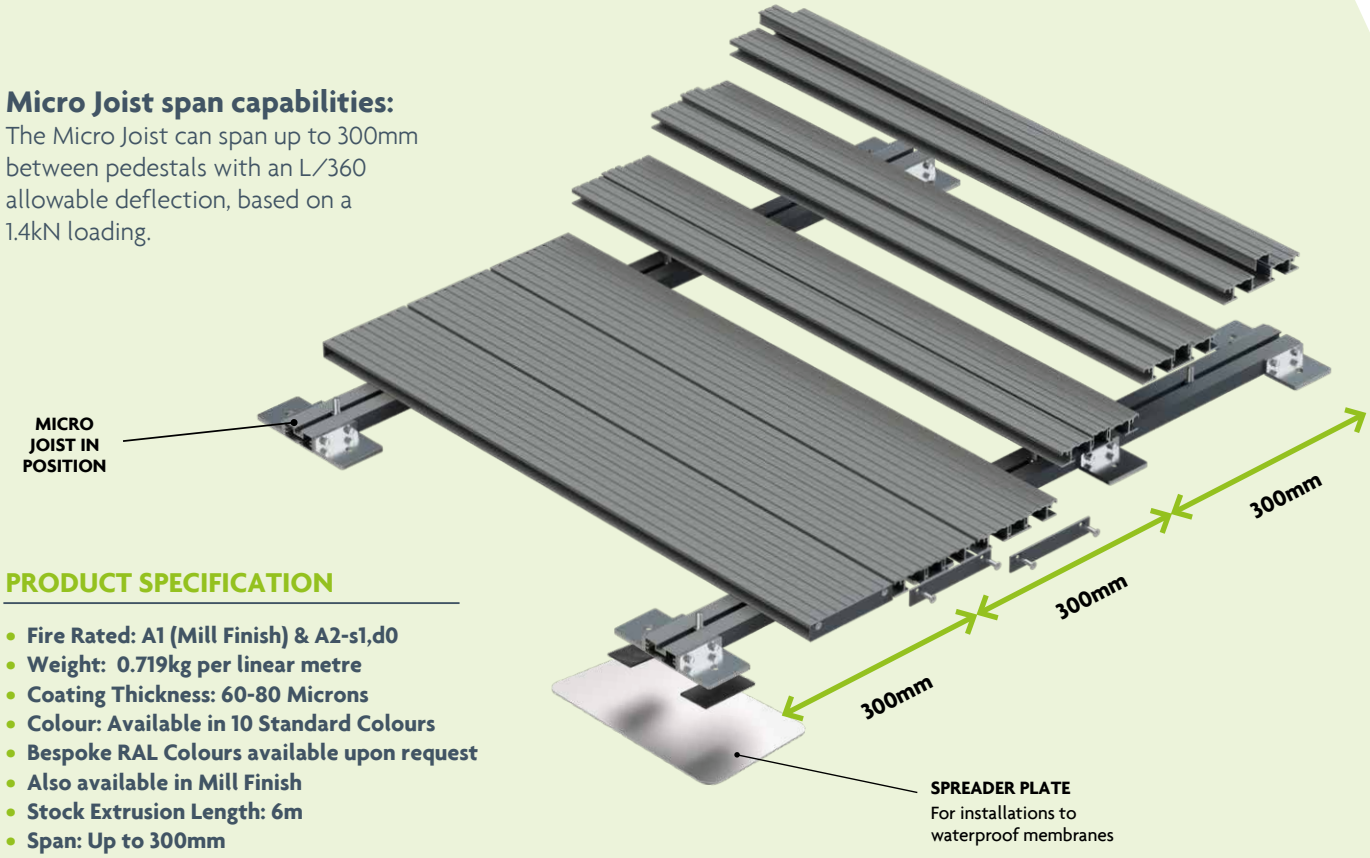
Benefits include:

- **ALL ALUMINIUM**
- **LOW MAINTENANCE**
- **QUICK AND EASY TO INSTALL**
- **RECYCLABLE**
- **COLOUR MATCHED TO THE DECK BOARDS**
- **STABLE IN ALL WEATHER CONDITIONS**

Dimensions



Micro Joist span capabilities:
The Micro Joist can span up to 300mm between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.



PRODUCT SPECIFICATION

- **Fire Rated: A1 (Mill Finish) & A2-s1,d0**
- **Weight: 0.719kg per linear metre**
- **Coating Thickness: 60-80 Microns**
- **Colour: Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**
- **Also available in Mill Finish**
- **Stock Extrusion Length: 6m**
- **Span: Up to 300mm**
- **Warranty: 30 Years**
- **Life Expectancy: 60 Years**

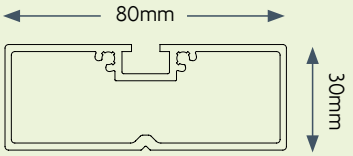
The AliDeck ECO 30 JOIST

The AliDeck Eco 30 Joist is an integral part of the AliDeck system. This extrusion has been designed for installations where you have a very low threshold situation, if you require a minimum build up height of 50mm or above this is the perfect solution (when used with our 20mm range of boards).

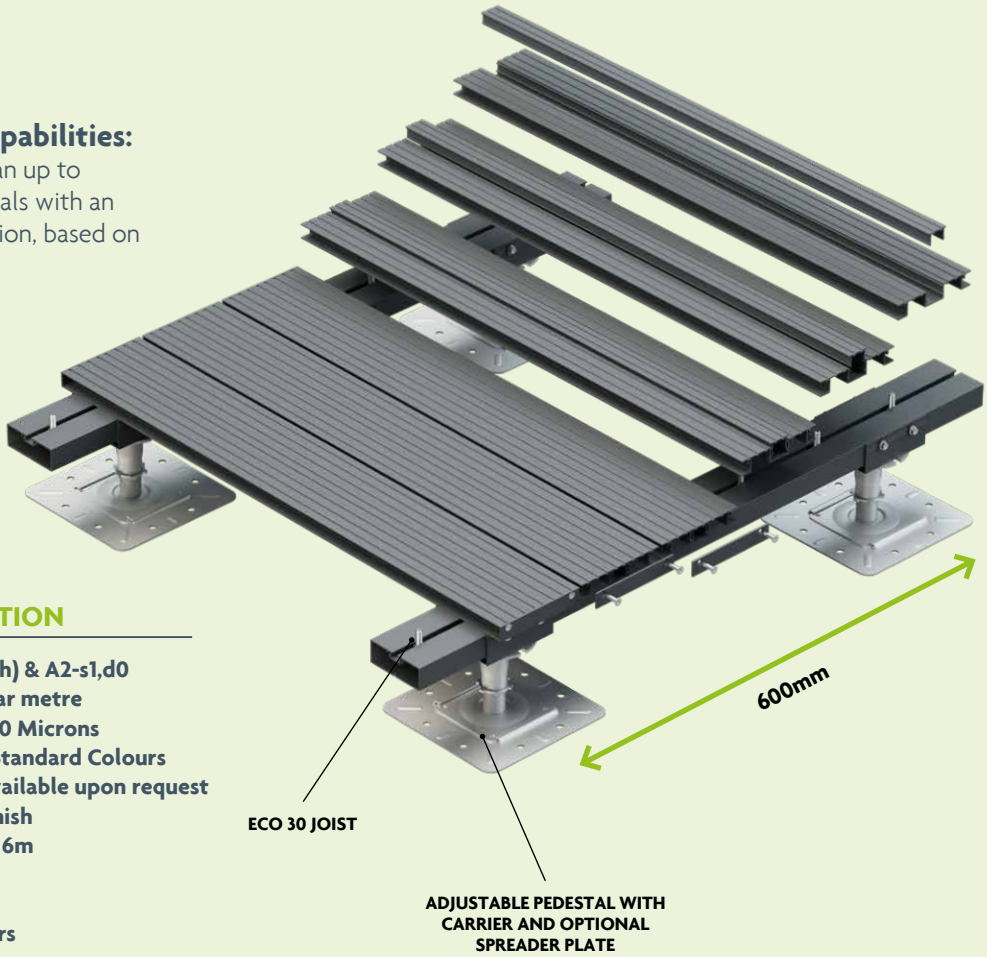
Benefits include:

- ALL ALUMINIUM
- LOW MAINTENANCE
- QUICK AND EASY TO INSTALL
- RECYCLABLE
- COLOUR MATCHED TO THE DECK BOARDS
- STABLE IN ALL WEATHER CONDITIONS

Dimensions



Eco 30 Joist span capabilities:
The ECO 30 Joist can span up to 600mm between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.



PRODUCT SPECIFICATION

- **Fire Rated: A1 (Mill Finish) & A2-s1,d0**
- **Weight: 1.187kg per linear metre**
- **Coating Thickness: 60-80 Microns**
- **Colour: Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**
- **Also available in Mill Finish**
- **Stock Extrusion Length: 6m**
- **Span: Up to 600mm**
- **Warranty: 30 Years**
- **Life Expectancy: 60 Years**

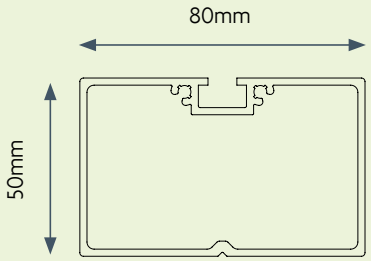
The AliDeck ECO 50 JOIST

The AliDeck Eco 50 Joist is an integral part of the AliDeck System. This extrusion is designed to act as a support and a joist for the complete range of AliDeck boards for use on steel or concrete balconies, terrace and walkway decking areas that require adjustable heights.

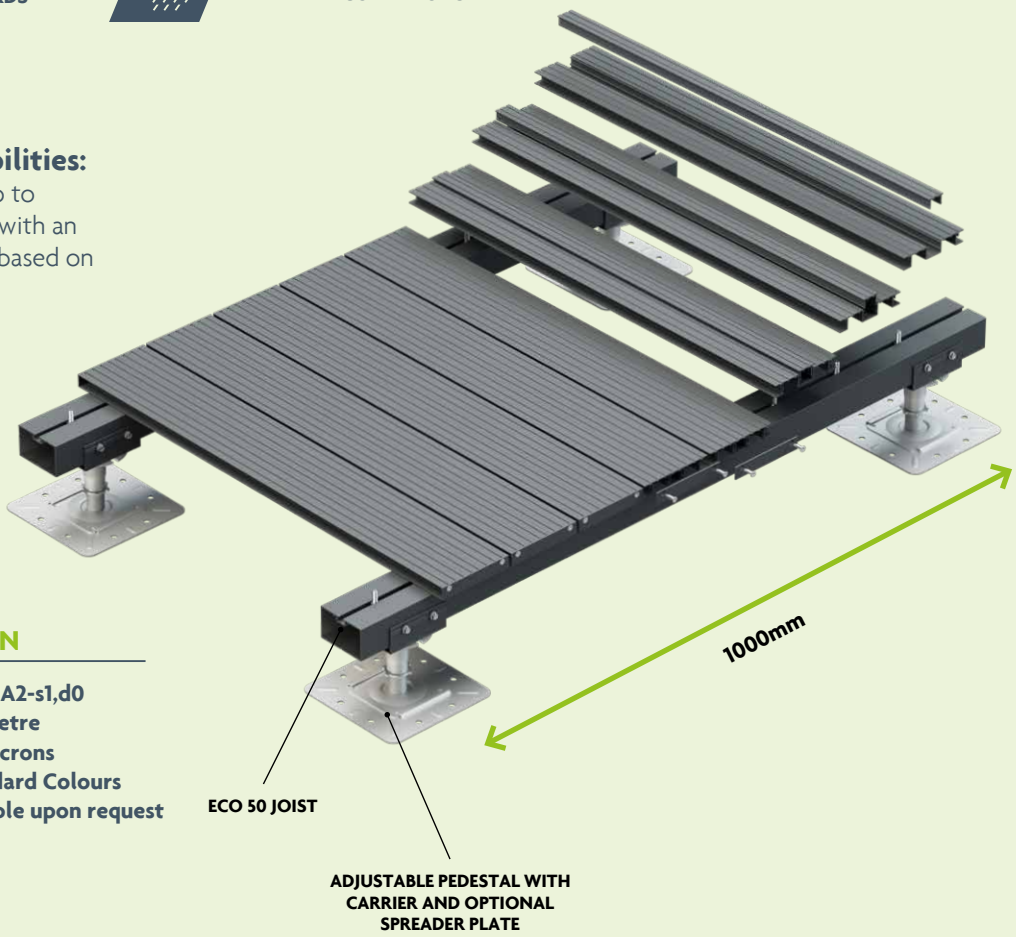
Benefits include:

- ALL ALUMINIUM
- LOW MAINTENANCE
- QUICK AND EASY TO INSTALL
- RECYCLABLE
- COLOUR MATCHED TO THE DECK BOARDS
- STABLE IN ALL WEATHER CONDITIONS

Dimensions



Eco 50 Joist span capabilities:
The ECO 50 Joist can span up to 1000mm between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.



PRODUCT SPECIFICATION

- **Fire Rated: A1 (Mill Finish) & A2-s1,d0**
- **Weight: 1.576kg per linear metre**
- **Coating Thickness: 60-80 Microns**
- **Colour: Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**
- **Also available in Mill Finish**
- **Stock Extrusion Length: 6m**
- **Span: Up to 1000mm**
- **Warranty: 30 Years**
- **Life Expectancy: 60 Years**

The AliDeck TRIPLE BOLT CHANNEL

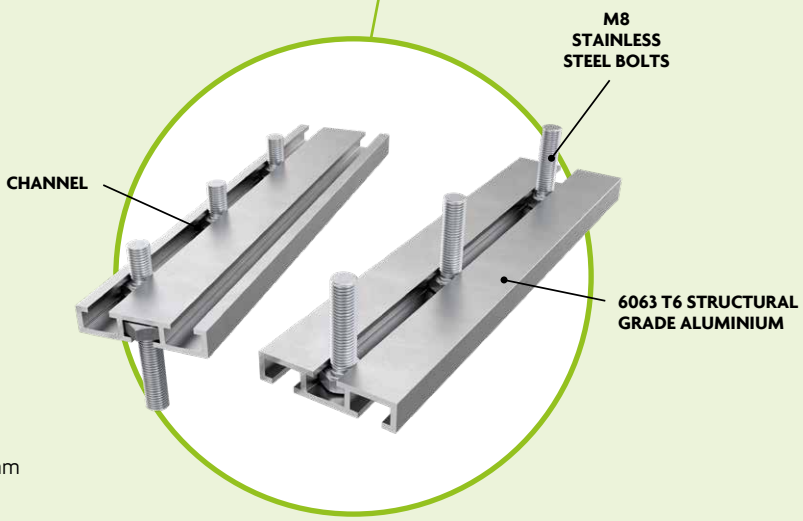
Benefits include:

- A1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

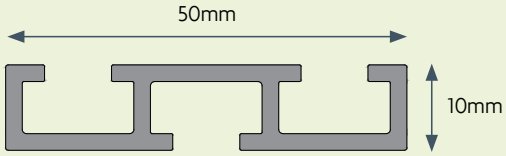
The AliDeck Triple Bolt Channel is our clever fixing solution to avoid the need to drill the balcony steel frame for each decking board. Designed for all AliDeck Decking Boards.



CLASS A1 FIRE RATED



Dimensions




WE ALWAYS MAINTAIN HIGH LEVELS OF STOCK TO ENSURE SHORT LEAD TIMES

The AliDeck ADJUSTABLE PEDESTAL BRACKET

The AliDeck Adjustable Pedestal Bracket is compatible with all of our joists. Available in 4 standard sizes (bespoke sizes available on request), a wide array of build-up heights can be easily achieved.

Benefits include:

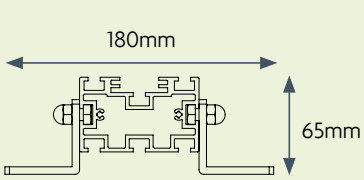
- A1 FIRE RATED NON-COMBUSTIBLE
- ALL ALUMINIUM
- HEAT RESISTANT
- LIGHTWEIGHT
- LOW MAINTENANCE
- RECYCLABLE



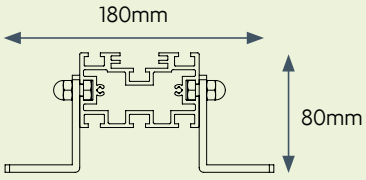
PEDESTAL SPECIFICATION

- Fire Resistance: A1
- Height Range: 30mm to 200mm
- Base Diameter: 100mm x 50mm
- Colours: Mill Finish
- Warranty: 30 Years
- Life Expectancy: 60 Years

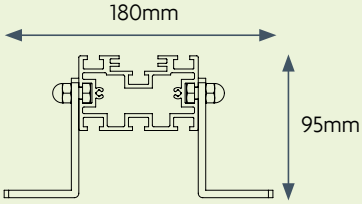
Dimensions



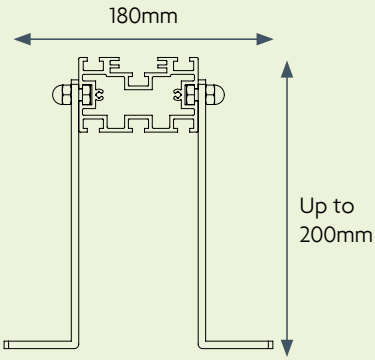
50mm Pedestal Brackets



65mm Pedestal Brackets



80mm Pedestal Brackets



185mm Pedestal Brackets

The AliDeck JUMBO ADJUSTABLE PEDESTAL BRACKET

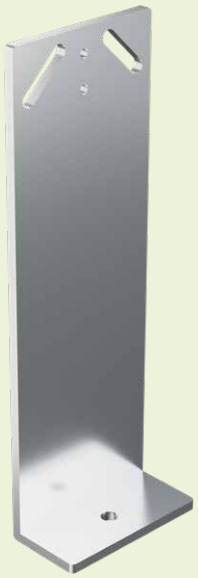
Benefits include:

- **A1 FIRE RATED NON-COMBUSTIBLE**
- **ALL ALUMINIUM**
- **HEAT RESISTANT**
- **LIGHTWEIGHT**
- **LOW MAINTENANCE**
- **RECYCLABLE**

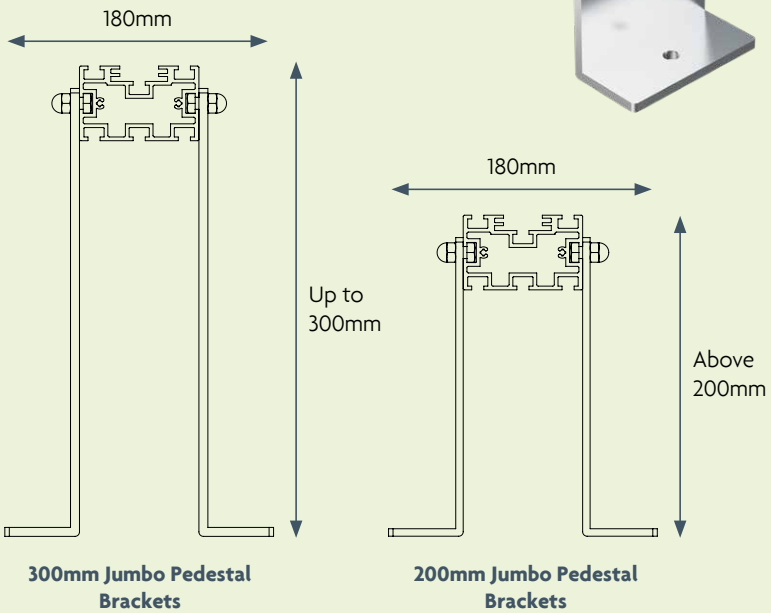
Designed to provide an economical but versatile pedestal option, our 6mm thick Jumbo Adjustable Pedestal Brackets are A1-rated and non-combustible as they are manufactured and supplied in mill-finish. Simple but highly effective allowing users to create an even greater build up height. Installation and levelling can be accomplished quickly and easily with the L-shaped aluminium brackets with sloping bolt channels.

PEDESTAL SPECIFICATION

- **Fire Resistance: A1**
- **Height Range: up to 300mm**
- **Base Diameter: 100mm x 50mm**
- **Colours: Mill Finish**
- **Warranty: 30 Years**
- **Life Expectancy: 60 Years**



Dimensions



300mm Jumbo Pedestal Brackets

200mm Jumbo Pedestal Brackets

BRACKETS CAN BE USED WITH ADHESIVE TAPE - SEE PAGE 39.

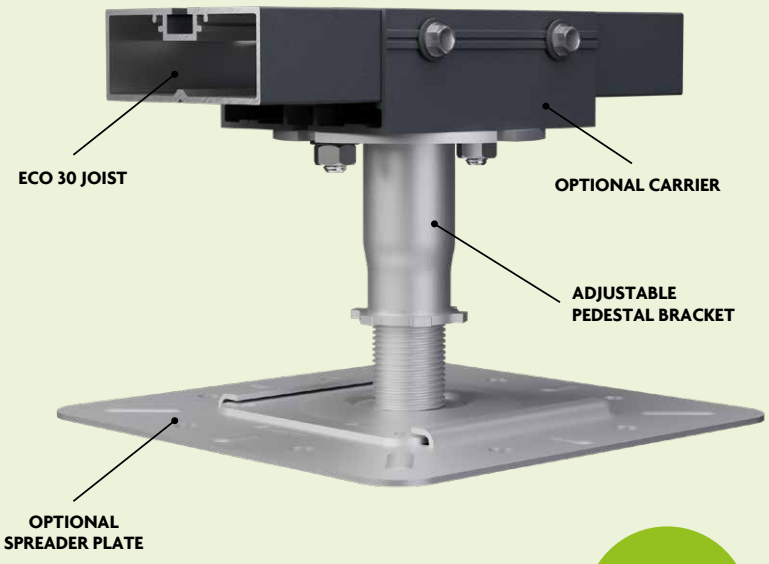


The AliDeck ADJUSTABLE PEDESTALS WITH OPTIONAL CARRIER

Benefits include:

- A1 FIRE RATED NON-COMBUSTIBLE
- HEAT RESISTANT
- LIGHTWEIGHT
- LOW MAINTENANCE
- RECYCLABLE

Adjustable Pedestals with Optional Carrier is a value-engineered product specially designed to offer complete flexibility across an installation. With a minimum build-up height of 26mm and a maximum of 275mm without any supporting components factored in, they're an ideal solution to create the desired varying build-up heights across a wide variety of project scenarios.



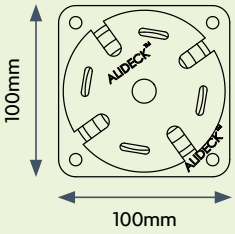
CLASS A1 FIRE RATED

PEDESTAL SPECIFICATION

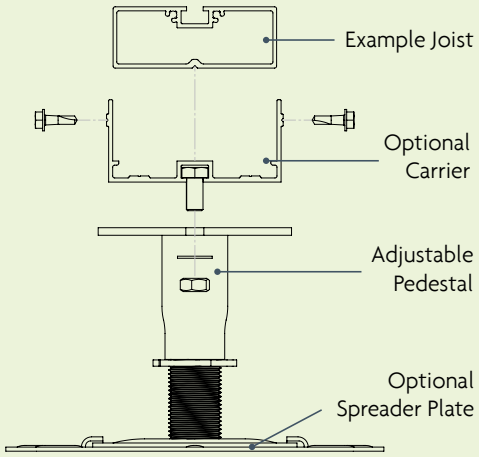
- Height Range: 26mm to 275mm Without Optional Carrier & Spreader Plate
- Base Diameter: 100mm x 100mm
- Fire Resistance: A1
- Coating: Zintek 200
- Warranty: 30 Years
- Life Expectancy: 60 Years

Dimensions

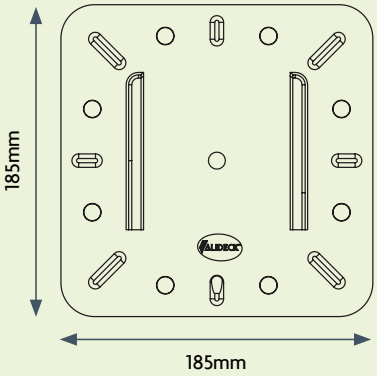
Adjustable Pedestal

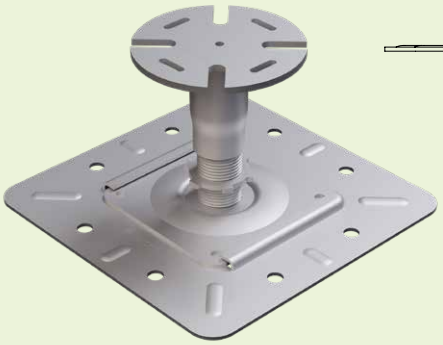


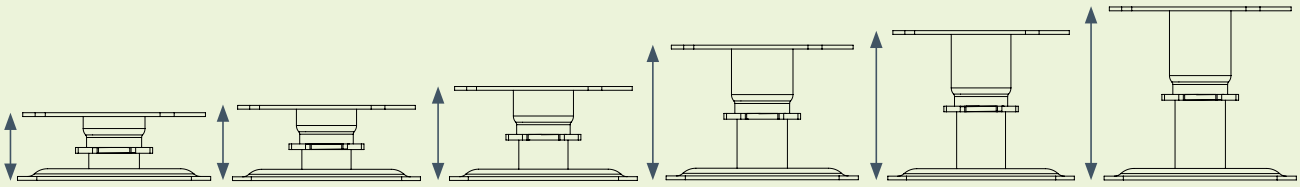
The Adjustable Pedestal with Optional Carrier is a part of the AliDeck system. It can be used with most of the AliDeck joists, Micro joist being the only exception. The Adjustable Carrier is used to level the deck platform. The images below are for example purposes only.



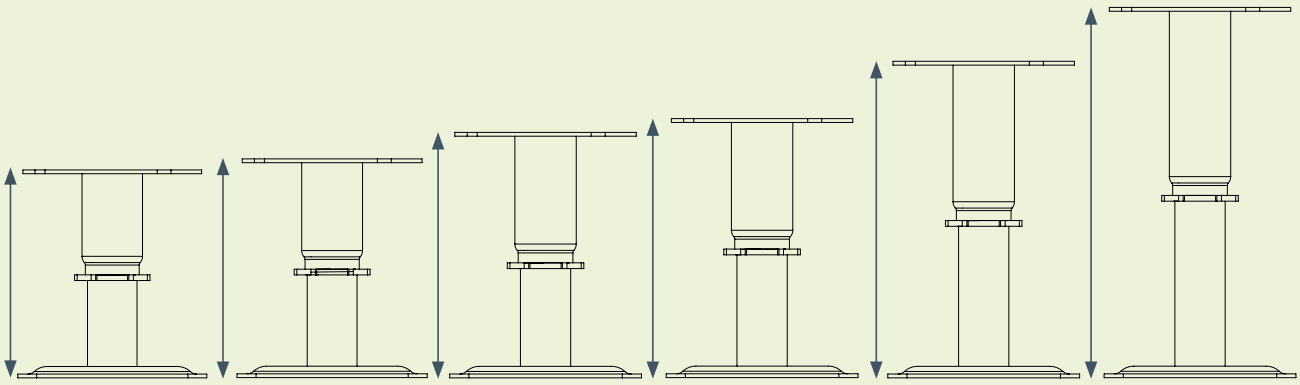
Spreader Plate







26 - 35mm **AD-AP-EX001**
30 - 40mm **AD-AP-EX002**
40 - 50mm **AD-AP-EX003**
50 - 70mm **AD-AP-EX004**
60 - 90mm **AD-AP-EX005**
75 - 115mm **AD-AP-EX006**



90 - 140mm **AD-AP-EX007**
110 - 185mm **AD-AP-EX008**
135 - 150mm **AD-AP-EX009**
150 - 225mm **AD-AP-EX0010**
185 - 260mm **AD-AP-EX0011**
200 - 275mm **AD-AP-EX0012**

All measurements above are without optional spreader plate.

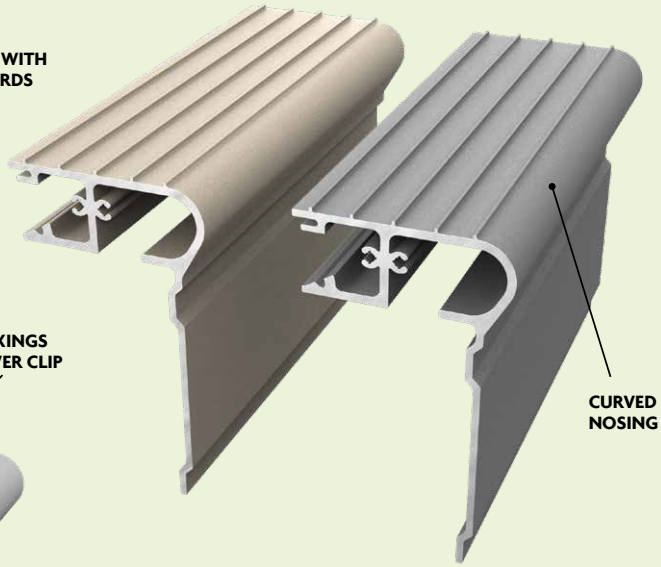
The AliDeck ACCESSORIES

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.

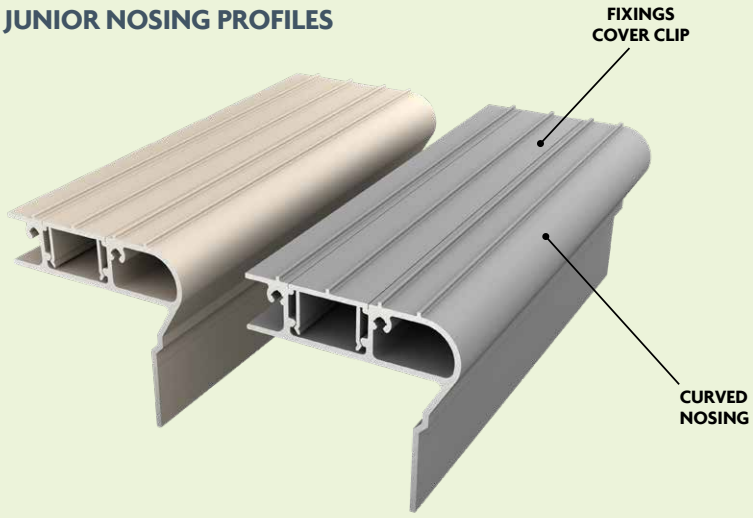
Nosing Profiles

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.

SENIOR NOSING PROFILES

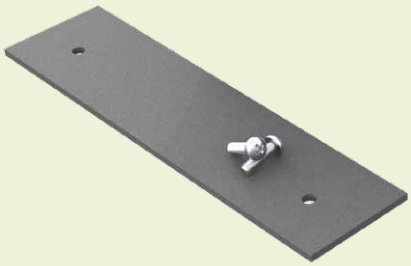


JUNIOR NOSING PROFILES



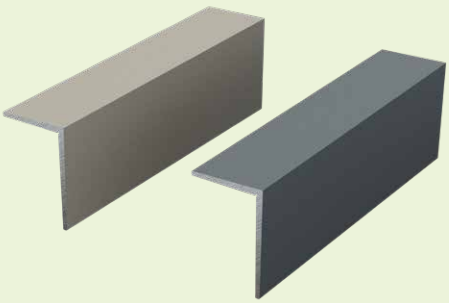
End Plates

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.



Angle Trim

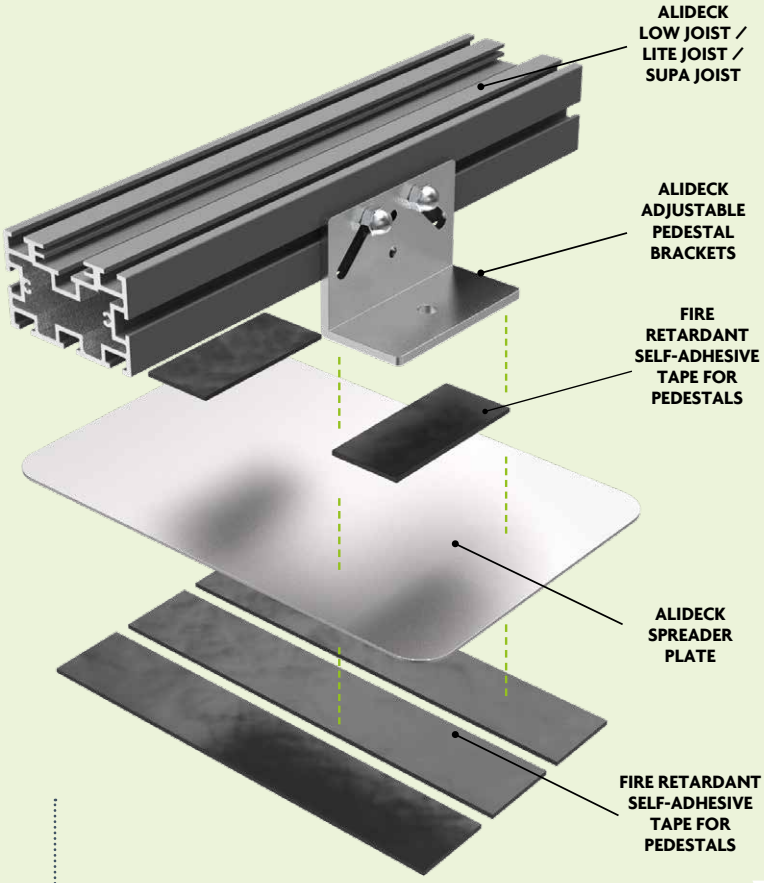
Colour matched to your decking this unique tapered 6 metre angle trim is 30mm x 20mm and it can be used in either orientation, providing a simple yet versatile option for finishing the board edges ideal to reduce trip hazards.



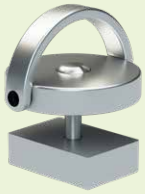
Spreader Plates

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.



Furniture Tie Down Anchors



Manufactured in stainless steel, the Furniture Tie Down Ring is a small, unobtrusive folding D-ring device and is able to be installed between AliDeck decking boards, with or without the AliDeck Drainage Channel in place, to allow furniture to be securely lashed to the deck.

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.





SENIOR BOARD

with **Low** Joist and Adjustable Pedestal Bracket

SYSTEM 1

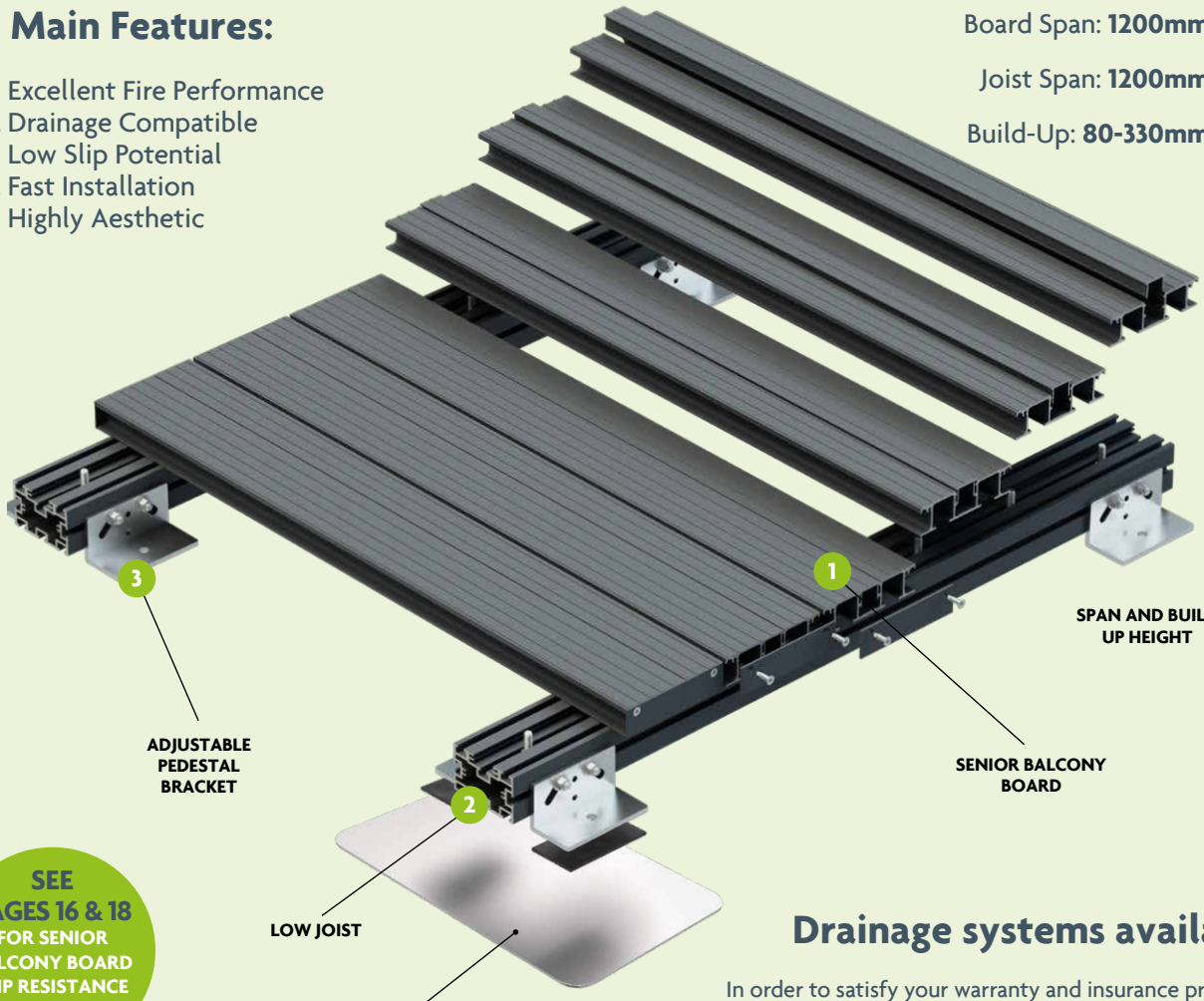
A2-s1, d0 & A2fl-s1 FIRE RATED

A comprehensive non-combustible deck system, comprising; decking board, support joist, and drainage options available. This system has a minimum build-up height of 80mm and 1200mm span between centre of joist. Available in the full range of AliDeck colours.

5 Main Features:

1. Excellent Fire Performance
2. Drainage Compatible
3. Low Slip Potential
4. Fast Installation
5. Highly Aesthetic

Board Span: **1200mm** ↔
Joist Span: **1200mm** ↔
Build-Up: **80-330mm** ↕



SEE PAGES 16 & 18 FOR SENIOR BALCONY BOARD SLIP RESISTANCE FIGURES

Drainage systems available

In order to satisfy your warranty and insurance providers drainage requirements for balconies, terraces, and walkways, contact us today for project specific calculations.

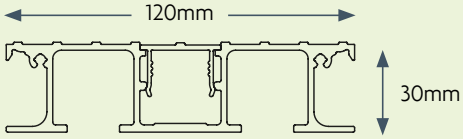
- A1 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

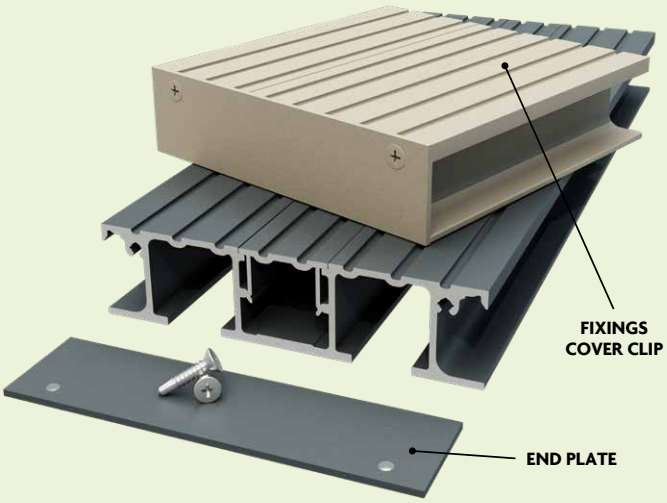
1. Senior Balcony Board

Specifically designed for installations on steel or concrete balconies, terrace decks, or walkway areas the AliDeck Senior Balcony board has been designed with 5 main features in mind. See page 14.

INDIVIDUAL BOARDS:
Length: 4 & 6 metres
Width: 120mm
Depth: 30mm
Weight: 2.105KG per linear metre
Span: Up to 1200mm

The boards can be cut to size along both the length and width.

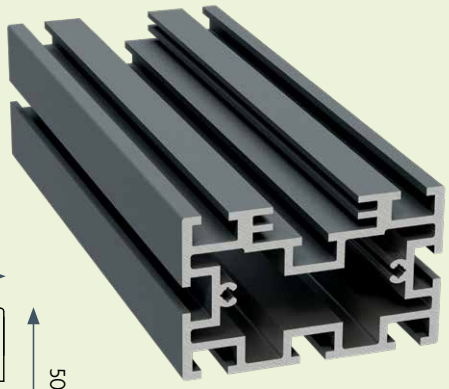


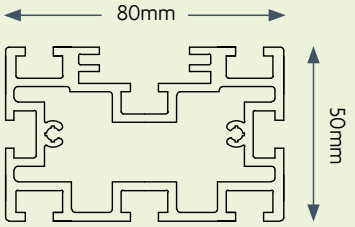


2. Low Joist

The AliDeck Low Joist is an integral part of the AliDeck System. This extrusion is designed to act as a support and a joist for the junior and big span balcony board specifically on steel or concrete balconies, terrace deck, or walkway areas that require adjustable heights. This joist is designed to work in conjunction with the AliDeck adjustable pedestals and the rest of the AliDeck board range.

LOW JOIST SPAN CAPABILITIES:
The Low Joist can span a maximum of 1200mm when laid flat, or up to 1500mm on it's side between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.

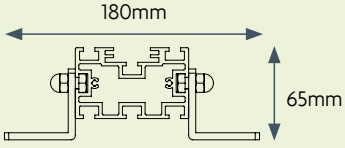




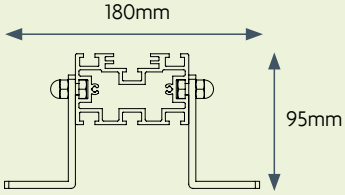
3. Adjustable Pedestal Bracket

Low Profile Adjustable Brackets are a solution driven product, specifically designed for installations where a low threshold is required but can be used for build-up heights from 50-300mm. This A1 fire rated product is cost effective and quick to install. It works seamlessly with all of our Joists. Contact us for standard sizes.

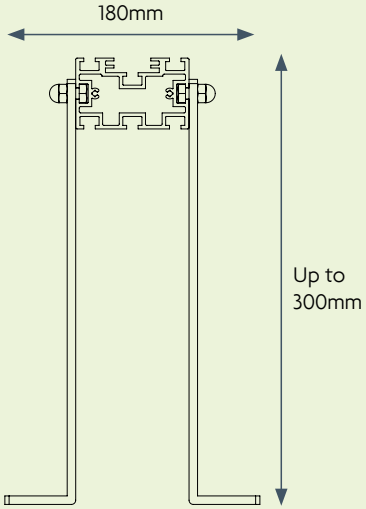




50mm Pedestal Brackets



80mm Pedestal Brackets



300mm Jumbo Pedestal Brackets

JUNIOR BOARD
with **Low** Joist and Adjustable Pedestal Bracket

SYSTEM 2

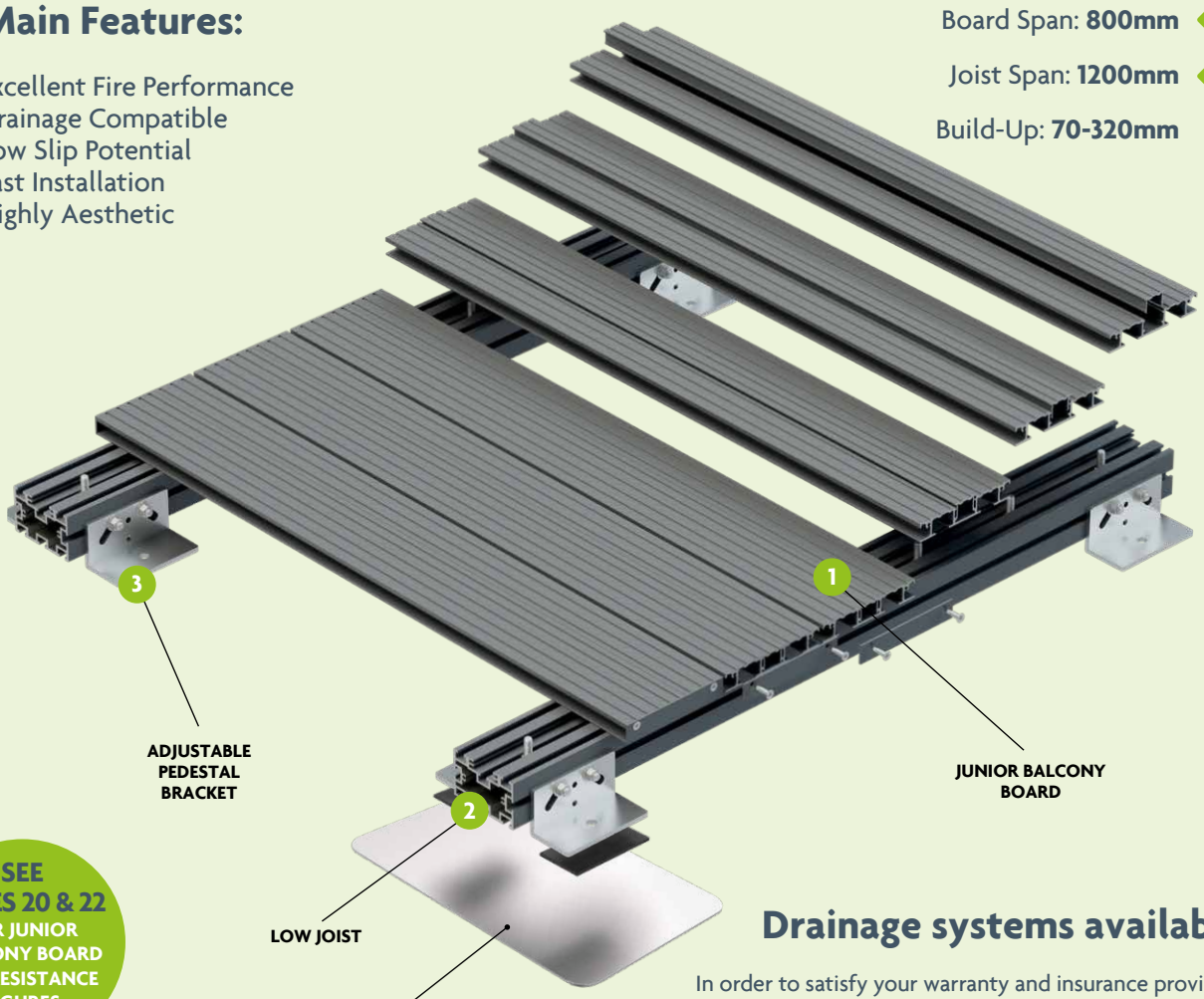
A2-s1, d0 & A2fl-s1 FIRE RATED

A comprehensive non-combustible deck system, comprising; decking board, support joist, and drainage options available. This system has a minimum build-up height of 70mm and 800mm span between centre of joist. Available in the full range of AliDeck colours.

5 Main Features:

1. Excellent Fire Performance
2. Drainage Compatible
3. Low Slip Potential
4. Fast Installation
5. Highly Aesthetic

Board Span: **800mm** ↔
Joist Span: **1200mm** ↔
Build-Up: **70-320mm** ↕



SEE PAGES 20 & 22 FOR JUNIOR BALCONY BOARD SLIP RESISTANCE FIGURES

Drainage systems available

In order to satisfy your warranty and insurance providers drainage requirements for balconies, terraces, and walkways, contact us today for project specific calculations.

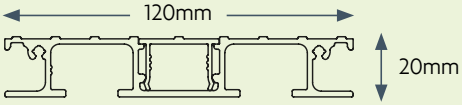
- A1 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

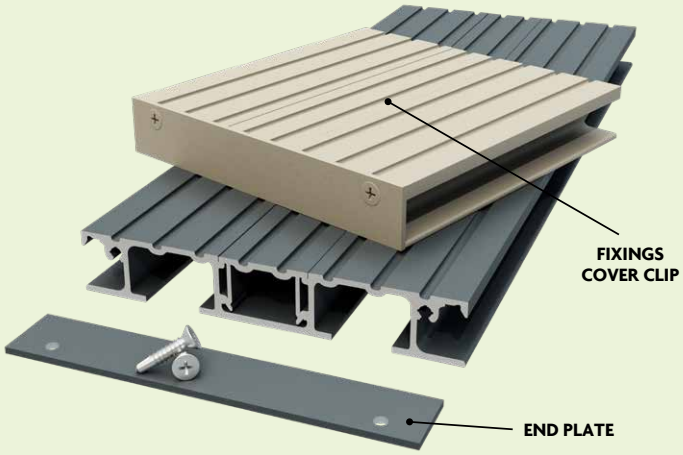
1. Junior Balcony Board

Specifically designed for installations on steel or concrete balconies, terrace decks, or walkway areas the AliDeck Junior Balcony board has been designed with 5 main features in mind. See page 18..

INDIVIDUAL BOARDS:
Length: 4 & 6 metres
Width: 120mm
Depth: 20mm
Weight: 1.58KG per linear metre
Span: Up to 800mm

The boards can be cut to size along both the length and width.

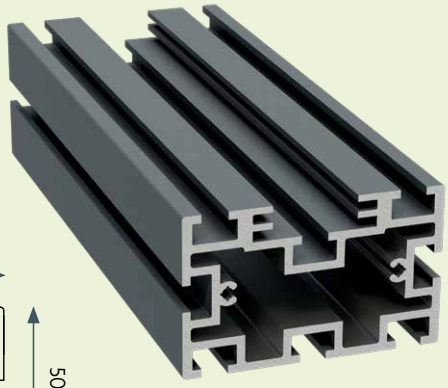


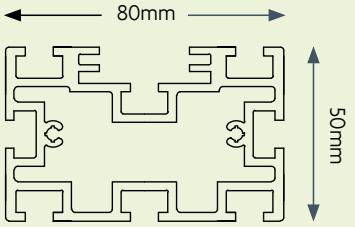


2. Low Joist

The AliDeck Low Joist is an integral part of the AliDeck System. This extrusion is designed to act as a support and a joist for the junior and big span balcony board specifically on steel or concrete balconies, terrace deck, or walkway areas that require adjustable heights. This joist is designed to work in conjunction with the AliDeck adjustable pedestals and the rest of the AliDeck board range.

LOW JOIST SPAN CAPABILITIES:
The Low Joist can span a maximum of 1200mm when laid flat, or up to 1500mm on it's side between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.

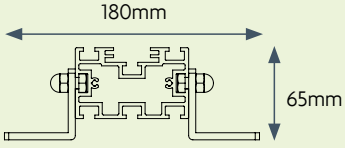




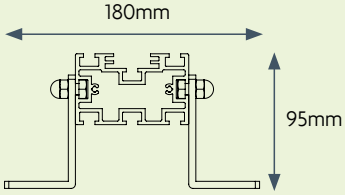
3. Adjustable Pedestal Bracket

Low Profile Adjustable Brackets are a solution driven product, specifically designed for installations where a low threshold is required but can be used for build-up heights from 50-300mm. This A1 fire rated product is cost effective and quick to install. It works seamlessly with all of our Joists. Contact us for standard sizes.

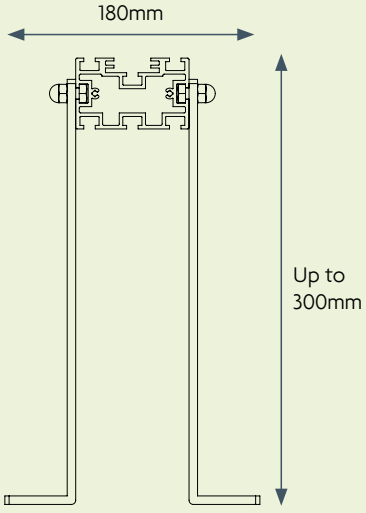




50mm Pedestal Brackets



80mm Pedestal Brackets



300mm Jumbo Pedestal Brackets

SENIOR BOARD

with **Lite** Joist and Adjustable Pedestal Bracket

SYSTEM 3

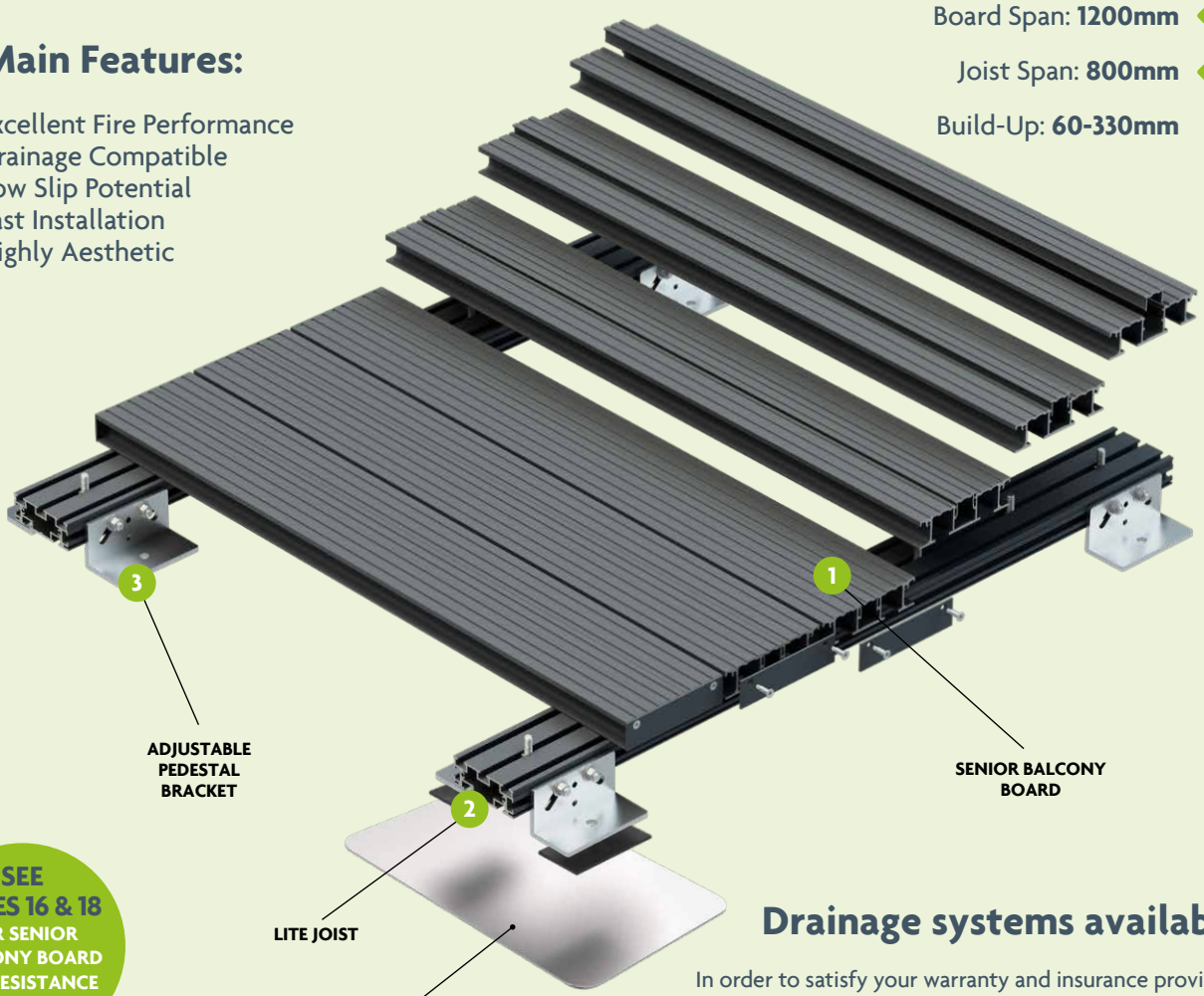
A2-s1, d0 & A2fl-s1 FIRE RATED

A comprehensive non-combustible deck system, comprising; decking board, support joist, and drainage options available. This system has a minimum build-up height of 60mm and 1200mm span between centre of joist, and an 800mm span from pedestal to pedestal. Available in the full range of AliDeck colours.

Board Span: **1200mm** ↔
Joist Span: **800mm** ↔
Build-Up: **60-330mm** ↕

5 Main Features:

1. Excellent Fire Performance
2. Drainage Compatible
3. Low Slip Potential
4. Fast Installation
5. Highly Aesthetic



SEE PAGES 16 & 18 FOR SENIOR BALCONY BOARD SLIP RESISTANCE FIGURES

Drainage systems available

In order to satisfy your warranty and insurance providers drainage requirements for balconies, terraces, and walkways, contact us today for project specific calculations.

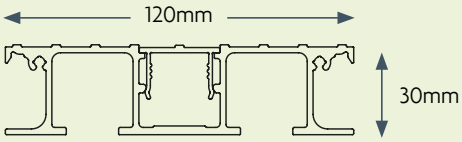
- A1 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

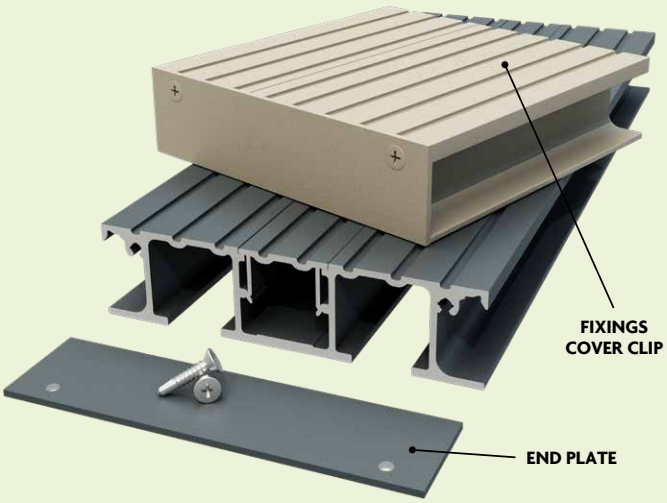
1. Senior Balcony Board

Specifically designed for installations on steel or concrete balconies, terrace decks, or walkway areas the AliDeck Senior Balcony board has been designed with 5 main features in mind. See page 14.

INDIVIDUAL BOARDS:
Length: 4 & 6 metres
Width: 120mm
Depth: 30mm
Weight: 2.105KG per linear metre
Span: Up to 1200mm

The boards can be cut to size along both the length and width.



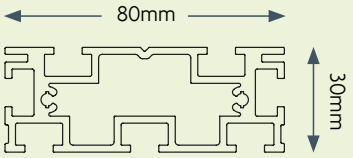


2. Lite Joist

The AliDeck Lite Joist is an integral part of the AliDeck System. This extrusion is designed to act as a support and a joist for the senior and big span balcony board specifically on steel or concrete balconies, terrace deck, or walkway areas that require adjustable heights. This joist is designed to work in conjunction with the AliDeck Adjustable Pedestals and the rest of the AliDeck board range.

LITE JOIST SPAN CAPABILITIES:
The Lite Joist can span up to 800mm between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.

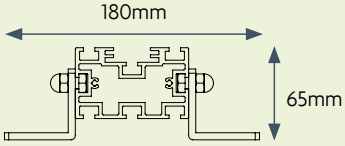




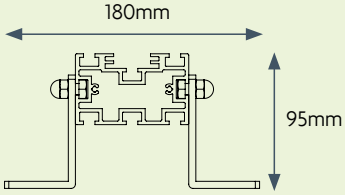
3. Adjustable Pedestal Bracket

Low Profile Adjustable Brackets are a solution driven product, specifically designed for installations where a low threshold is required but can be used for build-up heights from 50-300mm. This A1 fire rated product is cost effective and quick to install. It works seamlessly with all of our Joists. Contact us for standard sizes.

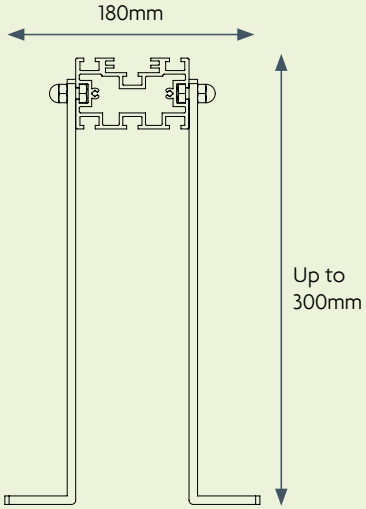




50mm Pedestal Brackets



80mm Pedestal Brackets



300mm Jumbo Pedestal Brackets

JUNIOR BOARD
with **Lite** Joist and Adjustable Pedestal Bracket

SYSTEM 4

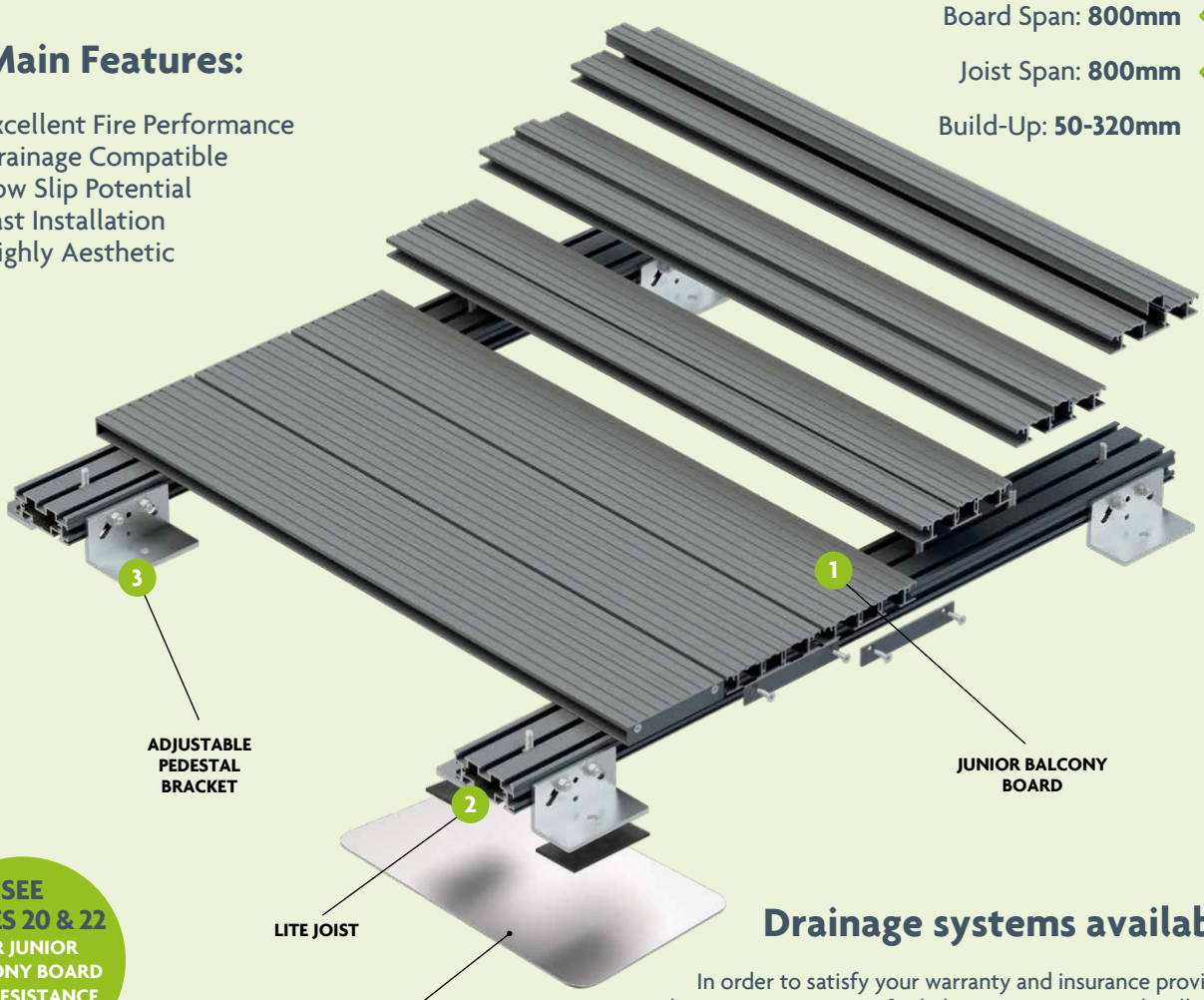
A2-s1, d0 & A2fl-s1 FIRE RATED

A comprehensive non-combustible deck system, comprising; decking board, support joist, and drainage options available. This system has a minimum build-up height of 50mm and 800mm span between centre of joist, and an 800mm span from pedestal to pedestal. Available in the full range of AliDeck colours.

Board Span: **800mm** ↔
Joist Span: **800mm** ↔
Build-Up: **50-320mm** ↕

5 Main Features:

1. Excellent Fire Performance
2. Drainage Compatible
3. Low Slip Potential
4. Fast Installation
5. Highly Aesthetic



SEE PAGES 20 & 22 FOR JUNIOR BALCONY BOARD SLIP RESISTANCE FIGURES

Drainage systems available

In order to satisfy your warranty and insurance providers drainage requirements for balconies, terraces, and walkways, contact us today for project specific calculations.

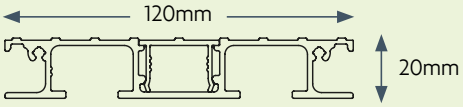
- A1 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

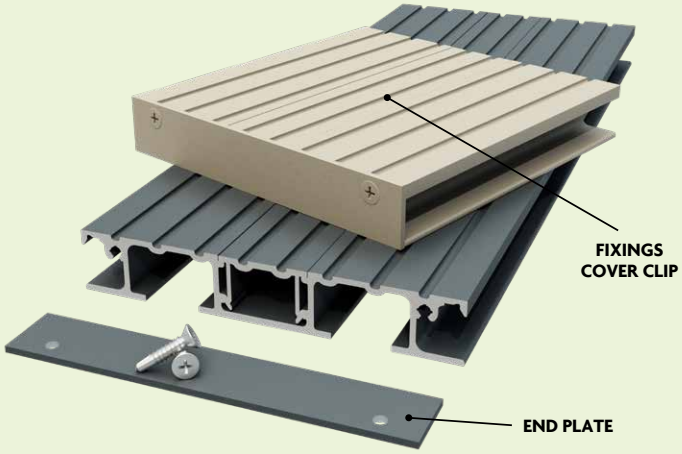
1. Junior Balcony Board

Specifically designed for installations on steel or concrete balconies, terrace decks, or walkway areas. The AliDeck Junior Balcony board has been designed with 5 main features in mind. See page 18..

INDIVIDUAL BOARDS:
Length: 4 & 6 metres
Width: 120mm
Depth: 20mm
Weight: 1.58KG per linear metre
Span: Up to 800mm

The boards can be cut to size along both the length and width.



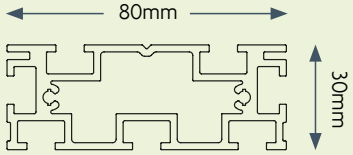


2. Lite Joist

The AliDeck Lite Joist is an integral part of the AliDeck system. This extrusion has been designed for installations where you have a very low threshold situation, if you require a minimum build up height of 50mm or above this is the perfect solution (when used with our 20mm range of boards) This joist can be used with either our adjustable pedestal brackets or our multi-directional adjustable pedestals for complete height adjustment.

LITE JOIST SPAN CAPABILITIES:
The Lite Joist can span up to 800mm between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.

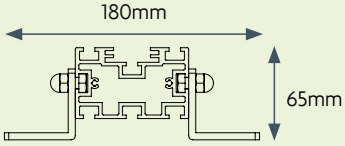




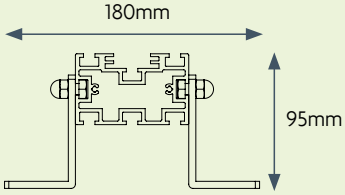
3. Adjustable Pedestal Bracket

Low Profile Adjustable Brackets are a solution driven product, specifically designed for installations where a low threshold is required but can be used for build-up heights from 50-300mm.
This A1 fire rated product is cost effective and quick to install. It works seamlessly with all of our Joists. Contact us for standard sizes.

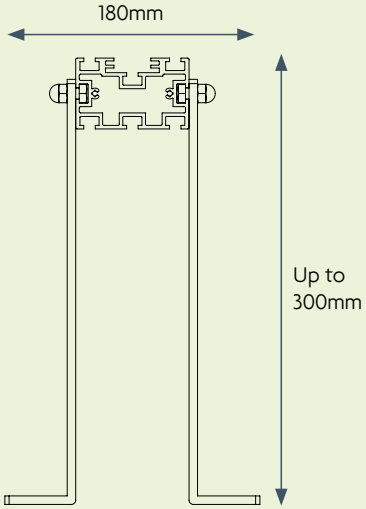




50mm Pedestal Brackets



80mm Pedestal Brackets



300mm Jumbo Pedestal Brackets

LITE BOARD

with **Lite** Joist and Adjustable Pedestal Bracket

SYSTEM 5

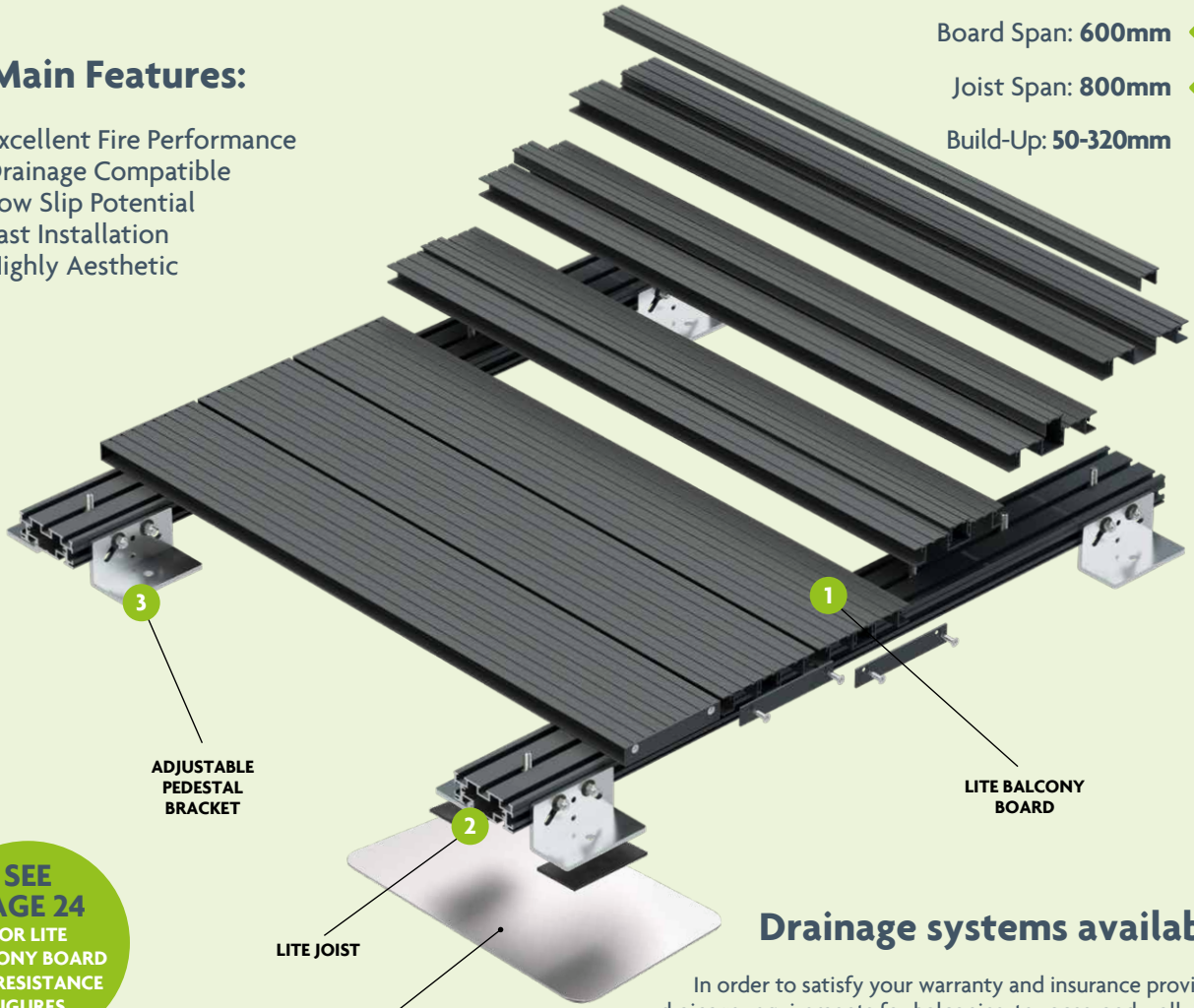
A2-s1, d0 & A2fl-s1 FIRE RATED

A comprehensive non-combustible deck system, comprising; decking board, support joist, and drainage options available. This system has a minimum build-up height of 50mm and 600mm span between centre of joist, and an 800mm span from pedestal to pedestal. Available in the full range of AliDeck colours.

5 Main Features:

1. Excellent Fire Performance
2. Drainage Compatible
3. Low Slip Potential
4. Fast Installation
5. Highly Aesthetic

Board Span: **600mm** ↔
Joist Span: **800mm** ↔
Build-Up: **50-320mm** ↕



SEE PAGE 24 FOR LITE BALCONY BOARD SLIP RESISTANCE FIGURES

Drainage systems available

In order to satisfy your warranty and insurance providers drainage requirements for balconies, terraces, and walkways, contact us today for project specific calculations.

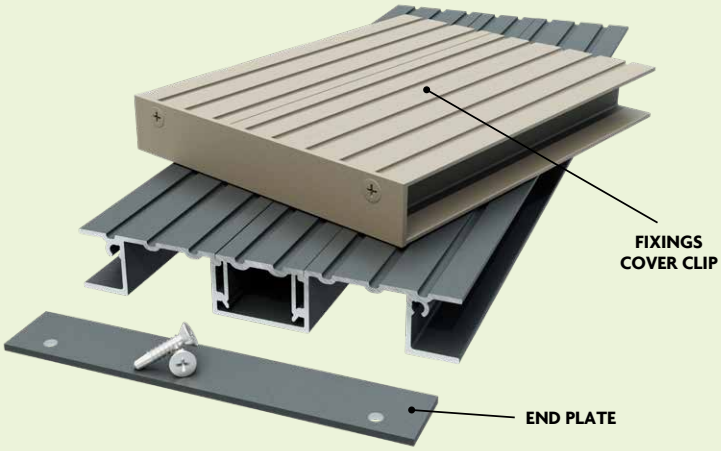
- A1 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

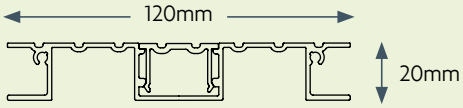
1. Lite Balcony Board

Specifically designed for installations on steel or concrete balconies, terrace decks, or walkway areas. The AliDeck Lite Balcony board has been designed with 5 main features in mind. See page 22.

INDIVIDUAL BOARDS:
Length: 4 & 6 metres
Width: 120mm
Depth: 20mm
Weight: 1.36KG per linear metre
Span: Up to 600mm

The boards can be cut to size along both the length and width.



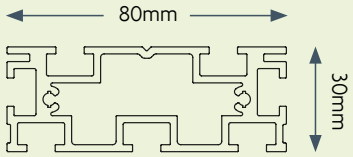


2. Lite Joist

The AliDeck Lite Joist is an integral part of the AliDeck system. This extrusion has been designed for installations where you have a very low threshold situation, if you require a minimum build up height of 50mm or above this is the perfect solution (when used with our 20mm range of boards) This joist can be used with either our adjustable pedestal brackets or our multi-directional adjustable pedestals for complete height adjustment.



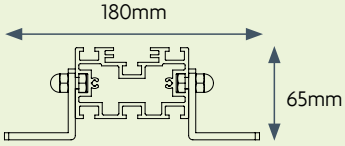
LITE JOIST SPAN CAPABILITIES:
The Lite Joist can span up to 800mm between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.



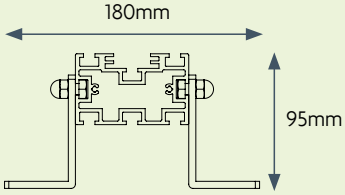
3. Adjustable Pedestal Bracket

Low Profile Adjustable Brackets are a solution driven product, specifically designed for installations where a low threshold is required but can be used for build-up heights from 50-300mm. This A1 fire rated product is cost effective and quick to install. It works seamlessly with all of our Joists. Contact us for standard sizes.

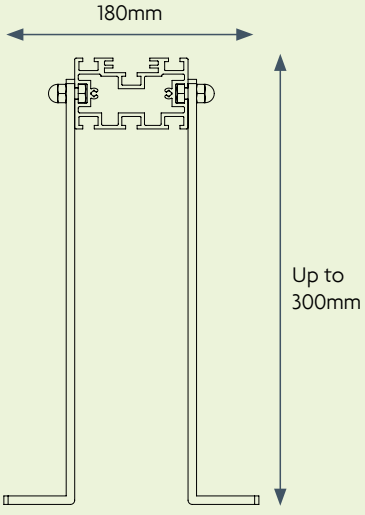




50mm Pedestal Brackets



80mm Pedestal Brackets



300mm Jumbo Pedestal Brackets

JUNIOR BOARD

with **Micro** Joist and Micro Joist Pedestal Bracket

SYSTEM 6

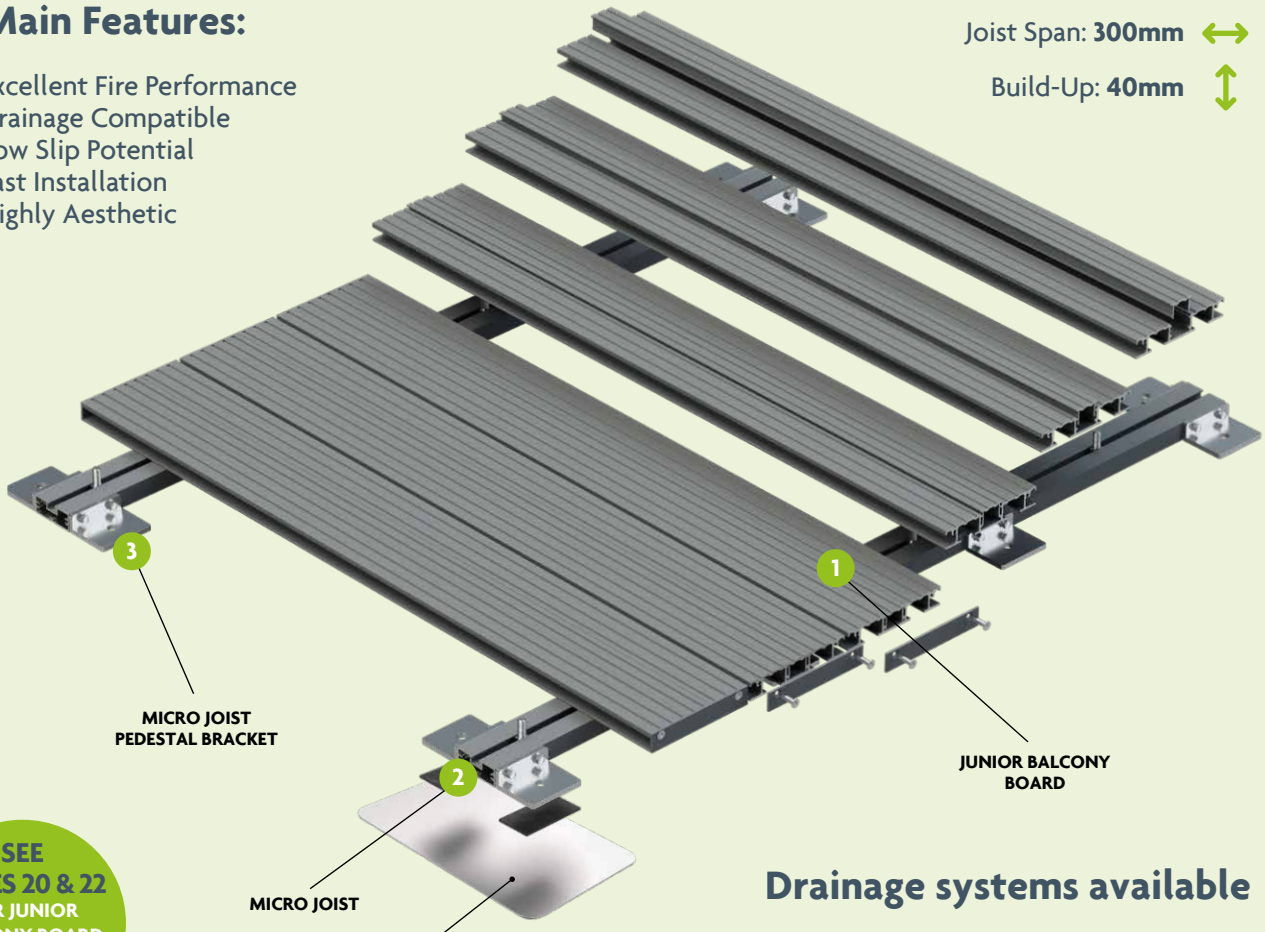
A2-s1, d0 & A2fl-s1 FIRE RATED

A comprehensive non-combustible deck system, comprising; decking board, support joist, and adjustable pedestal bracket, with drainage options available. This system has a minimum build-up height of 40mm and 800mm span between centre of joist. Available in the full range of AliDeck colours.

Board Span: **800mm** ↔
Joist Span: **300mm** ↔
Build-Up: **40mm** ↕

5 Main Features:

1. Excellent Fire Performance
2. Drainage Compatible
3. Low Slip Potential
4. Fast Installation
5. Highly Aesthetic



SEE PAGES 20 & 22 FOR JUNIOR BALCONY BOARD SLIP RESISTANCE FIGURES

Drainage systems available

In order to satisfy your warranty and insurance providers drainage requirements for balconies, terraces, and walkways, contact us today for project specific calculations.

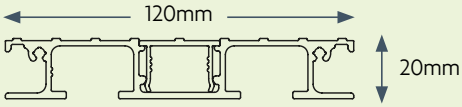
- A1 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

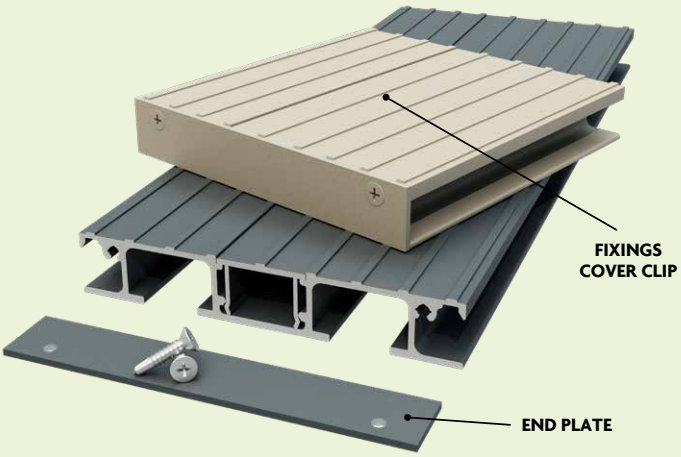
1. Junior Balcony Board

Specifically designed for installations on steel or concrete balconies, terrace decks, or walkway areas the AliDeck Junior Balcony board has been designed with 5 main features in mind. See page 18.

INDIVIDUAL BOARDS:
Length: 4 & 6 metres
Width: 120mm
Depth: 20mm
Weight: 1.58KG per linear metre
Span: Up to 800mm

The boards can be cut to size along both the length and width.

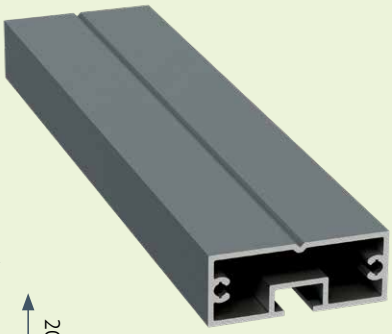


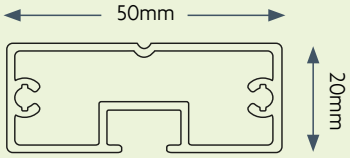


2. Micro Joist

The AliDeck Micro Joist is an integral part of the AliDeck system. This extrusion has been designed for installations where you have a very low threshold situation, if you require a minimum build up height of 40mm or above this is the perfect solution (when used with our 20mm range of boards) This joist can be used with our adjustable pedestal brackets for complete height adjustment.

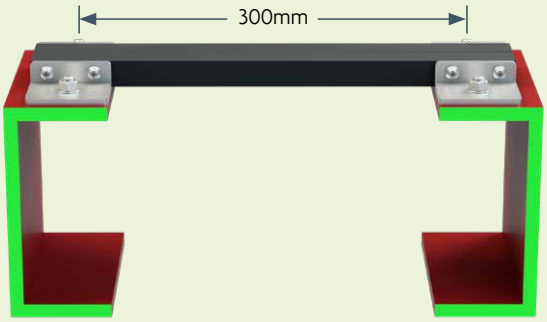
MICRO JOIST SPAN CAPABILITIES:
The Micro Joist can span up to 300mm between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.





3. Micro Joist Pedestal Bracket

The Micro Joist can only be used with our specific Micro Joist Pedestal Bracket. These aluminium brackets offer little-to-no height difference and are best used on steel, as the example image highlights.



LITE BOARD

with **Eco 30** Joist and Adjustable Pedestal with Carrier

SYSTEM 7

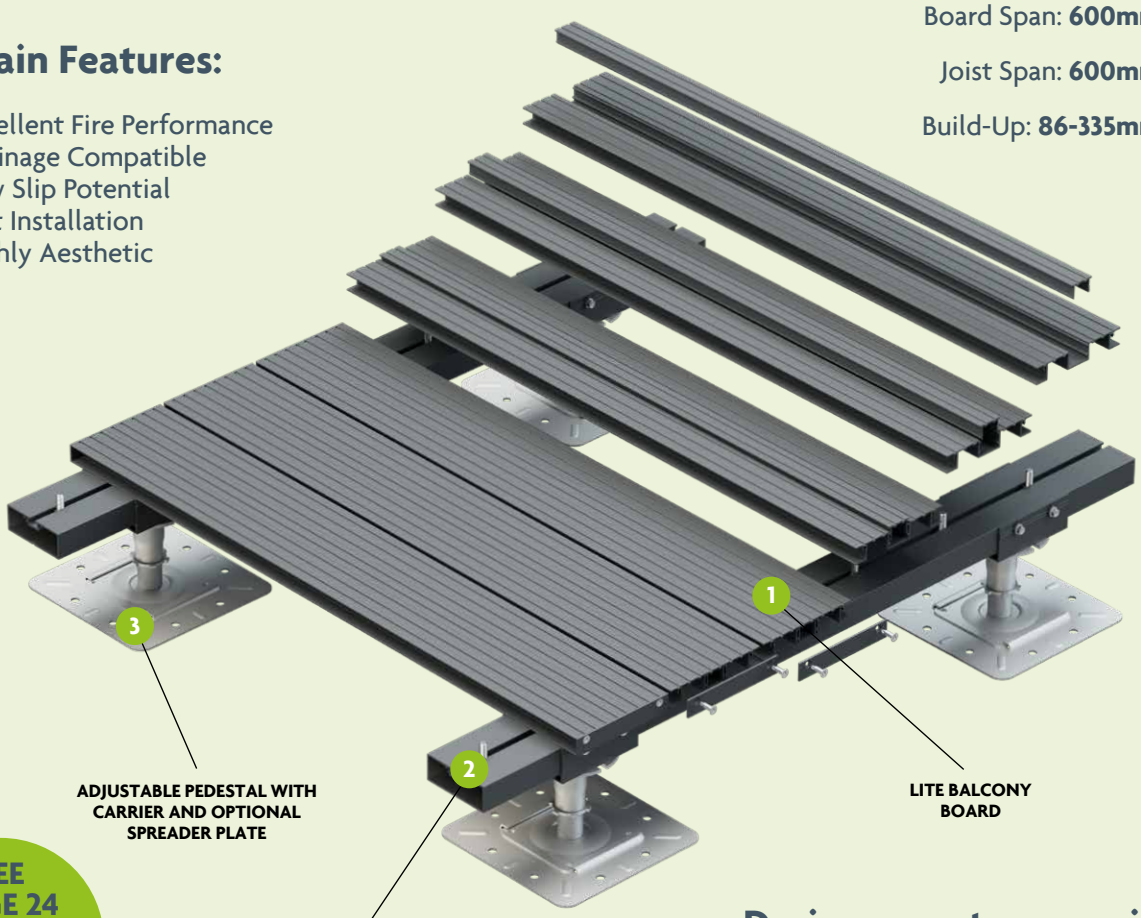
A2-s1, d0 & A2fl-s1 FIRE RATED

A comprehensive non-combustible deck system, comprising; decking board, support joist, and adjustable pedestal with carrier, with drainage options available. This system has a minimum build-up height of 86mm including the decking board and 600mm span between centre of joist. Available in the full range of AliDeck colours.

Board Span: **600mm** ↔
Joist Span: **600mm** ↔
Build-Up: **86-335mm** ↕

5 Main Features:

1. Excellent Fire Performance
2. Drainage Compatible
3. Low Slip Potential
4. Fast Installation
5. Highly Aesthetic



SEE PAGE 24 FOR LITE BALCONY BOARD SLIP RESISTANCE FIGURES

Drainage systems available

In order to satisfy your warranty and insurance providers drainage requirements for balconies, terraces, and walkways, contact us today for project specific calculations.

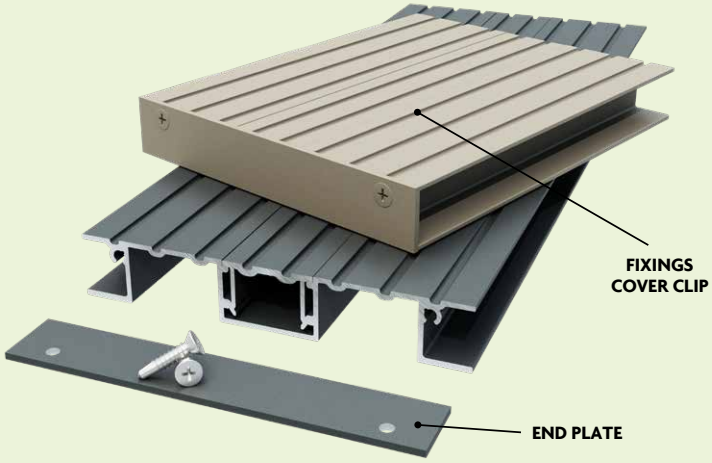
- A1 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

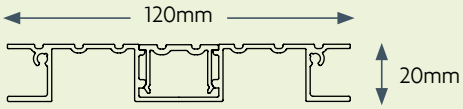
1. Lite Balcony Board

Specifically designed for installations on steel or concrete balconies, terrace decks, or walkway areas. The AliDeck Lite Balcony board has been designed with 5 main features in mind. See page 22.

INDIVIDUAL BOARDS:
Length: 4 & 6 metres
Width: 120mm
Depth: 20mm
Weight: 1.295Kg per linear metre
Span: Up to 600mm

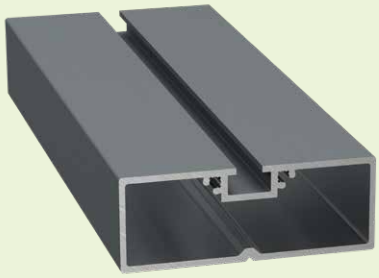
The boards can be cut to size along both the length and width.



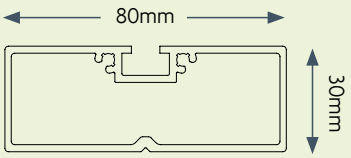


2. Eco 30 Joist

The AliDeck Eco 30 Joist is an integral part of the AliDeck System. This extrusion is designed to act as a support and a joist for the complete range of AliDeck boards for use on steel or concrete balconies, terrace and walkway decking areas that require adjustable heights. This joist works in conjunction with the AliDeck Adjustable Pedestals and the rest of the AliDeck board range.



ECO 30 JOIST SPAN CAPABILITIES:
The ECO 30 Joist can span up to 600mm between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.

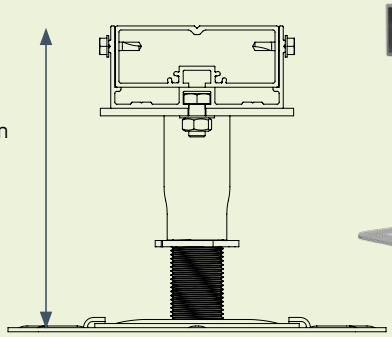


3. Adjustable Pedestal With Carrier

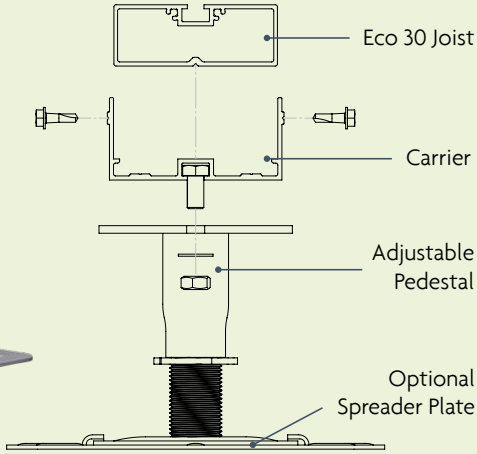
Adjustable Pedestal with carriers are a value engineered product specially designed to offer complete flexibility across an installation with a build-up height minimum of 66mm and maximum 335mm. This A fire rated product works seamlessly with all of our joists.

Build-up
Min: 66mm
Max: 315mm

*Please note: does not include 20mm deck board or optional spreader plate







LITE BOARD

with **Eco 50** Joist and Adjustable Pedestal with Carrier

SYSTEM 8

A2-s1, d0 & A2fl-s1 FIRE RATED

A comprehensive non-combustible deck system, comprising; decking board, support joist, and adjustable pedestal with carrier, with drainage options available. This system has a minimum build-up height of 106mm including the decking board and 600mm span between centre of joist. Available in the full range of AliDeck colours.

Board Span: **600mm** ↔

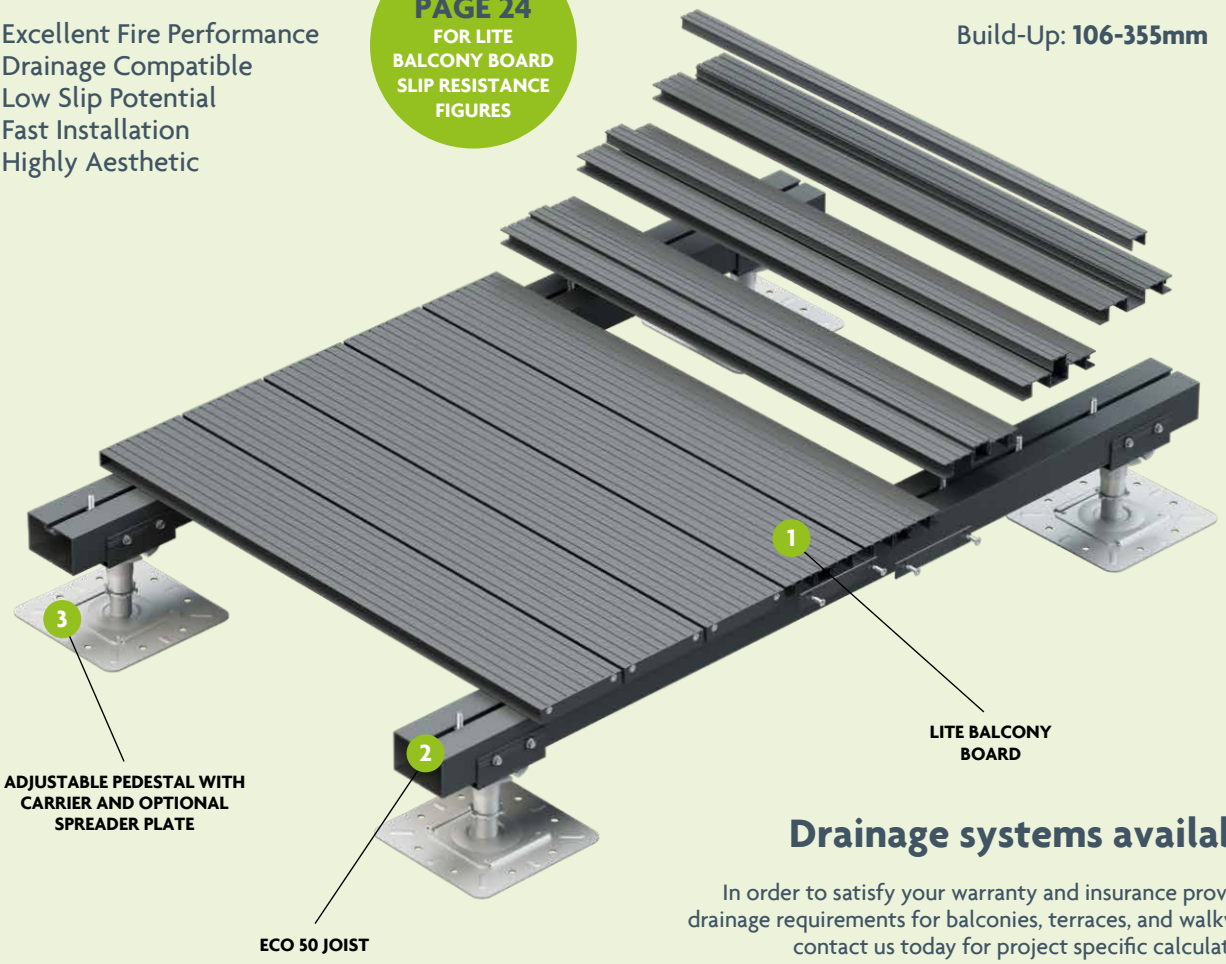
Joist Span: **1000mm** ↔

Build-Up: **106-355mm** ↕

5 Main Features:

1. Excellent Fire Performance
2. Drainage Compatible
3. Low Slip Potential
4. Fast Installation
5. Highly Aesthetic

SEE PAGE 24 FOR LITE BALCONY BOARD SLIP RESISTANCE FIGURES



Drainage systems available

In order to satisfy your warranty and insurance providers drainage requirements for balconies, terraces, and walkways, contact us today for project specific calculations.

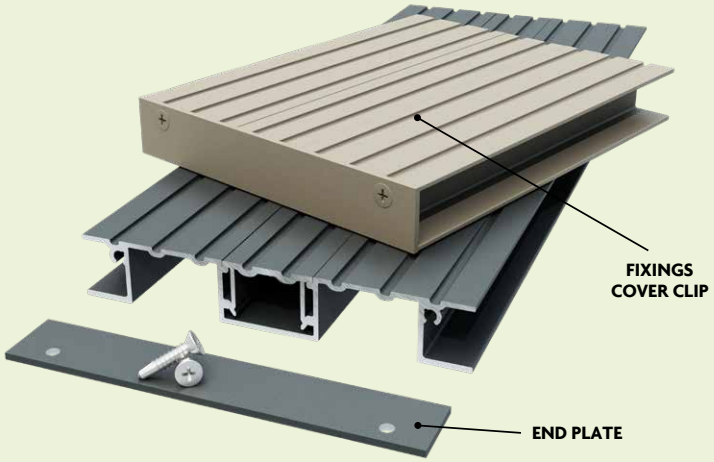
- A1 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

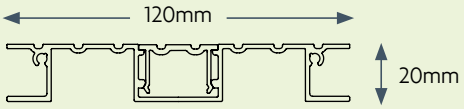
1. Lite Balcony Board

Specifically designed for installations on steel or concrete balconies, terrace decks, or walkway areas. The AliDeck Lite Balcony board has been designed with 5 main features in mind. See page 22.

INDIVIDUAL BOARDS:
Length: 4 & 6 metres
Width: 120mm
Depth: 20mm
Weight: 1.295Kg per linear metre
Span: Up to 600mm

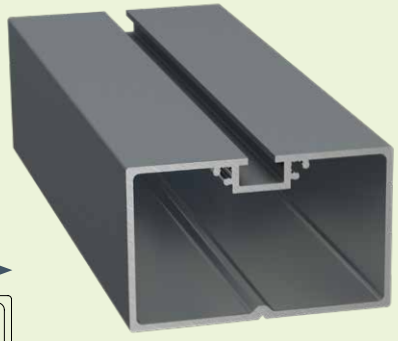
The boards can be cut to size along both the length and width.



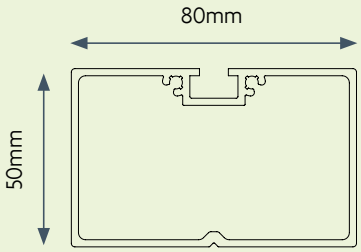


2. Eco 50 Joist

The AliDeck Eco 50 Joist is an integral part of the AliDeck System. This extrusion is designed to act as a support and a joist for the complete range of AliDeck boards for use on steel or concrete balconies, terrace and walkway decking areas that require adjustable heights. This joist works in conjunction with the AliDeck Adjustable Pedestals and the rest of the AliDeck board range.



ECO 50 JOIST SPAN CAPABILITIES:
The ECO 50 Joist can span up to 1000mm between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.

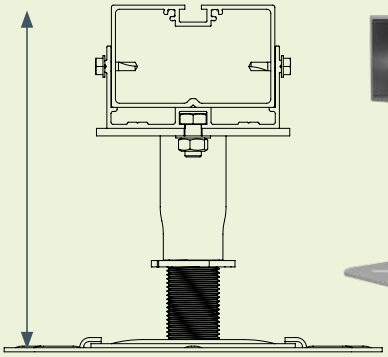


3. Adjustable Pedestal With Carrier

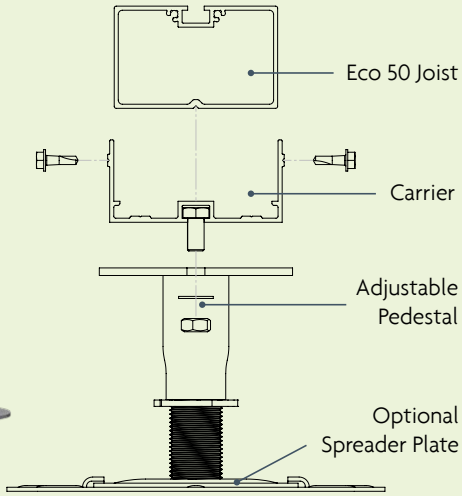
Adjustable Pedestal with carriers are a value engineered product specially designed to offer complete flexibility across an installation with a build-up height minimum of 86mm and maximum 335mm. This A fire rated product works seamlessly with all of our joists.

Build-up
Min: 86mm
Max: 335mm

*Please note: does not include 20mm deck board or optional spreader plate







JUNIOR BOARD

with **Eco 50** Joist and Adjustable Pedestal with Carrier

SYSTEM 9

A2-s1, d0 & A2fl-s1 FIRE RATED

A comprehensive non-combustible deck system, comprising; decking board, support joist, and adjustable pedestal with carrier, with drainage options available. This system has a minimum build-up height of 106mm including the decking board and 600mm span between centre of joist. Available in the full range of AliDeck colours.

Board Span: **800mm** ↔

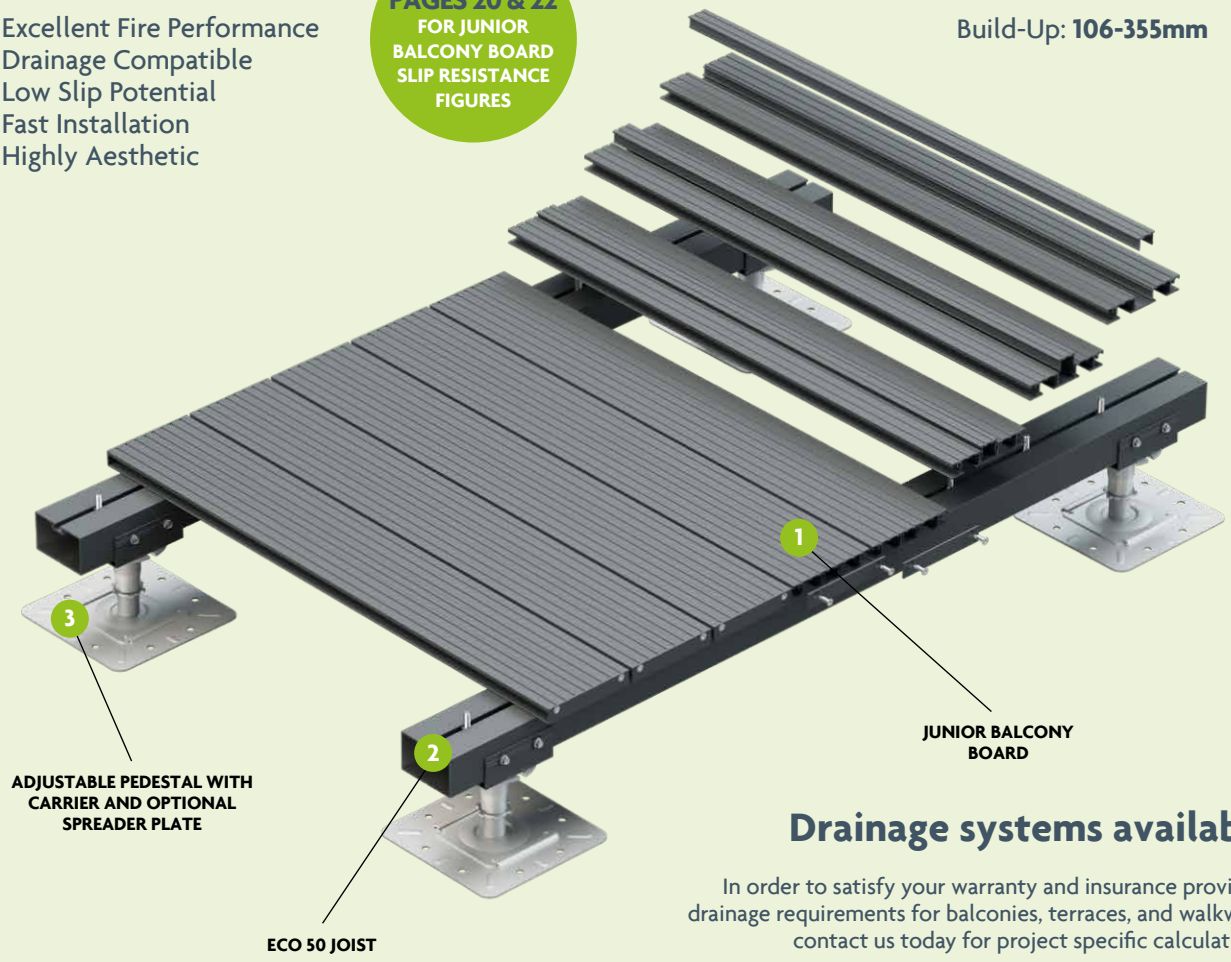
Joist Span: **1000mm** ↔

Build-Up: **106-355mm** ↕

5 Main Features:

1. Excellent Fire Performance
2. Drainage Compatible
3. Low Slip Potential
4. Fast Installation
5. Highly Aesthetic

SEE PAGES 20 & 22 FOR JUNIOR BALCONY BOARD SLIP RESISTANCE FIGURES



Drainage systems available

In order to satisfy your warranty and insurance providers drainage requirements for balconies, terraces, and walkways, contact us today for project specific calculations.

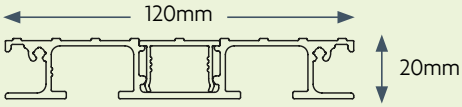
- A1 & A2fl-s1 FIRE RATED
- ALL ALUMINIUM
- HEAT RESISTANT
- DURABLE TEXTURED FINISH
- LOW MAINTENANCE
- RECYCLABLE
- STABLE IN ALL WEATHER CONDITIONS

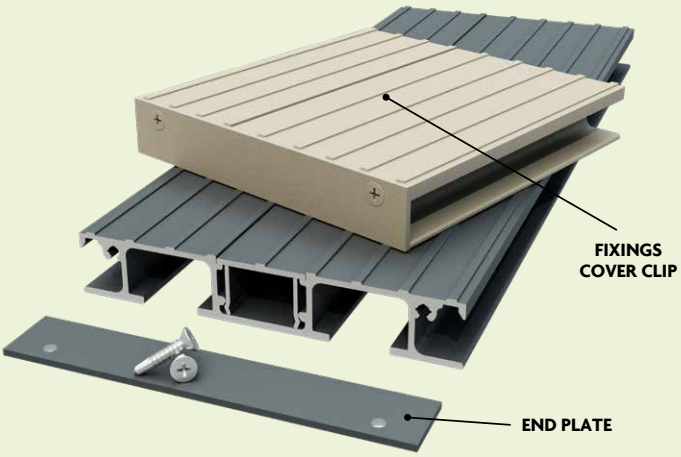
1. Junior Balcony Board

Specifically designed for installations on steel or concrete balconies, terrace decks, or walkway areas the AliDeck Junior Balcony board has been designed with 5 main features in mind. See page 18.

INDIVIDUAL BOARDS:
Length: 4 & 6 metres
Width: 120mm
Depth: 20mm
Weight: 1.58KG per linear metre
Span: Up to 800mm

The boards can be cut to size along both the length and width.

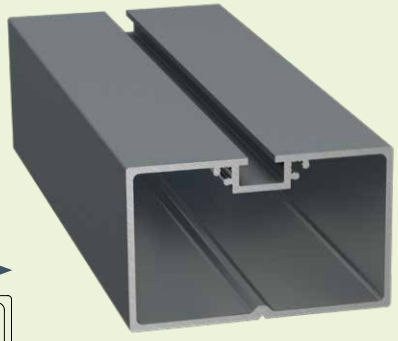


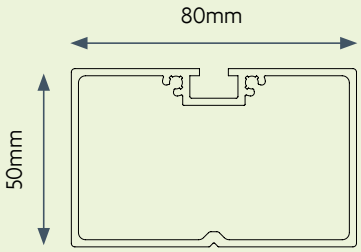


2. Eco 50 Joist

The AliDeck Eco 50 Joist is an integral part of the AliDeck System. This extrusion is designed to act as a support and a joist for the complete range of AliDeck boards for use on steel or concrete balconies, terrace and walkway decking areas that require adjustable heights. This joist works in conjunction with the AliDeck Adjustable Pedestals and the rest of the AliDeck board range.

ECO 50 JOIST SPAN CAPABILITIES:
The ECO 50 Joist can span up to 1000mm between pedestals with an L/360 allowable deflection, based on a 1.4kN loading.



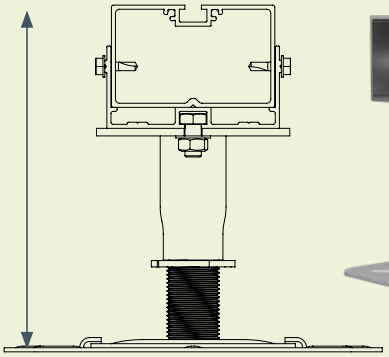


3. Adjustable Pedestal With Carrier

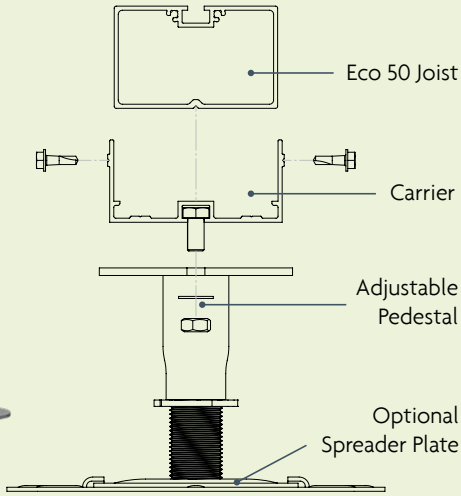
Adjustable Pedestal with carriers are a value engineered product specially designed to offer complete flexibility across an installation with a build-up height minimum of 86mm and maximum 335mm. This A fire rated product works seamlessly with all of our joists.

Build-up
Min: 86mm
Max: 335mm

*Please note: does not include 20mm deck board or optional spreader plate







ALIDRAIN

Aluminium Balcony Drainage Systems

BS 8579:2020 recommends that the preferred method for draining rainwater from balconies and terraces is piped drainage.

This is also known as positive drainage, and it involves collecting and directing water via channels, gutters, decking, or soffits to a downpipe.

Piped drainage provides a much more controlled approach to wastewater management and helps to reduce the risk of water falling to people or balconies beneath. This is because the water is directed away from these areas and into a downpipe that can then be safely discharged to a drain or other suitable location.

The standard also requires that overflow pipes are installed to any gutter system. This helps to prevent water ingress or staining to the building should the gutter or downpipe become blocked. The overflow pipe should be equal to or greater than the outlet capacity of the gutter or downpipe.



COMPLETE DRAINAGE SOLUTIONS

ALIDRAIN
Aluminium Drainage

SYSTEM 1



Deck-level Piped Drainage

SYSTEM 2



Soffit Piped Drainage

SYSTEM 3



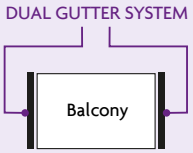
Edge Drainage

AliDrain

DECK-LEVEL PIPED DRAINAGE

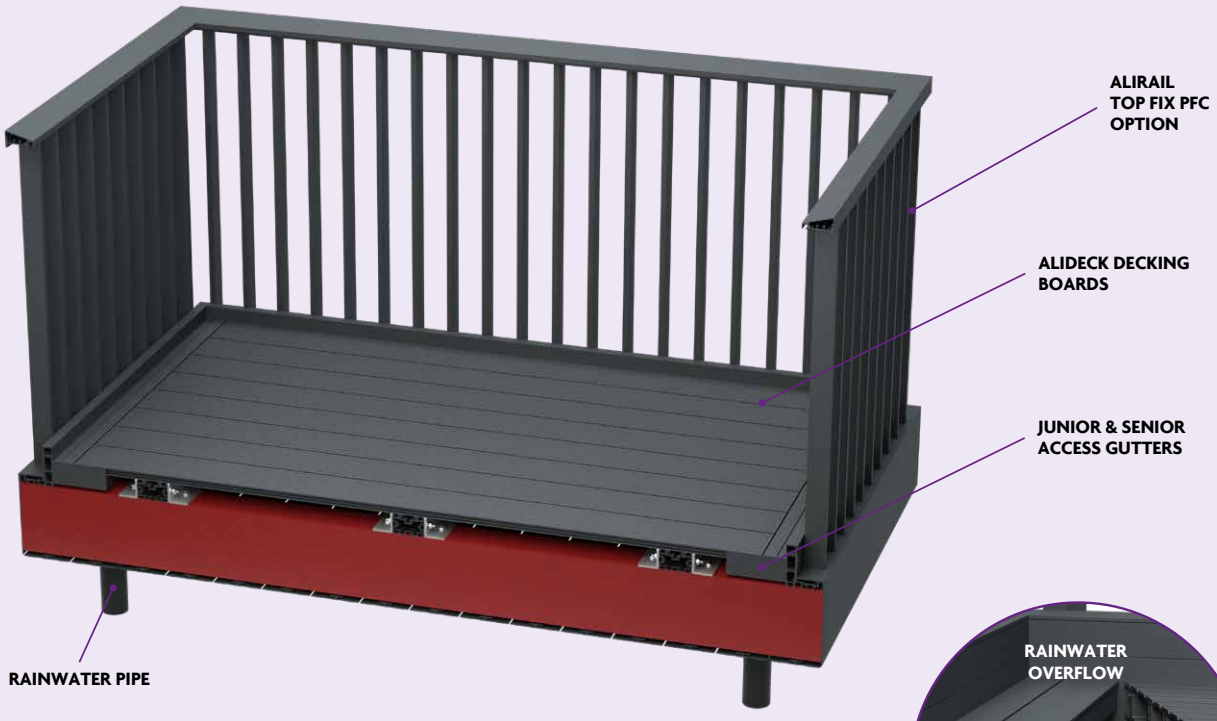
(OPTION 1)

SYSTEM 1



This deck-level piped drainage system is designed to collect rainwater at both ends of the balcony, using channels between each deck board to channel the rain water to the access gutters at each end of the balcony surface. Outlets & overflows are installed in a position to suit the balcony steelwork.

DUAL GUTTER SYSTEM





Benefits include:

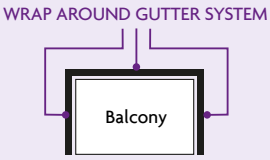
- Fully Compliant drainage solution
- Individually calculated for UK rainfall compliance
- Two independent rainwater outlets plus overflows
- Fire Resistant to A2-s1, d0
- 30 Year Warranty
- Life Expectancy 60 years
- Material 6063 T6 Structural Grade Aluminium
- Available in a range of AliDeck standard colours

AliDrain

DECK-LEVEL PIPED DRAINAGE

(OPTION 2)

SYSTEM 1



This deck-level piped drainage system is designed to collect rainwater at each end of the balcony at the surface but is connected along the front elevation of the balcony to reduce the number of downpipes required in the dual gutter system. Outlets & overflows are installed in a position to suit the balcony steelwork.

WRAP AROUND GUTTER SYSTEM





Benefits include:

- Fully Compliant drainage solution
- Individually calculated for UK rainfall compliance
- Fire Resistant to A2-s1, d0
- 30 Year Warranty
- Life Expectancy 60 years
- Material 6063 T6 Structural Grade Aluminium
- Available in a range of AliDeck standard colours

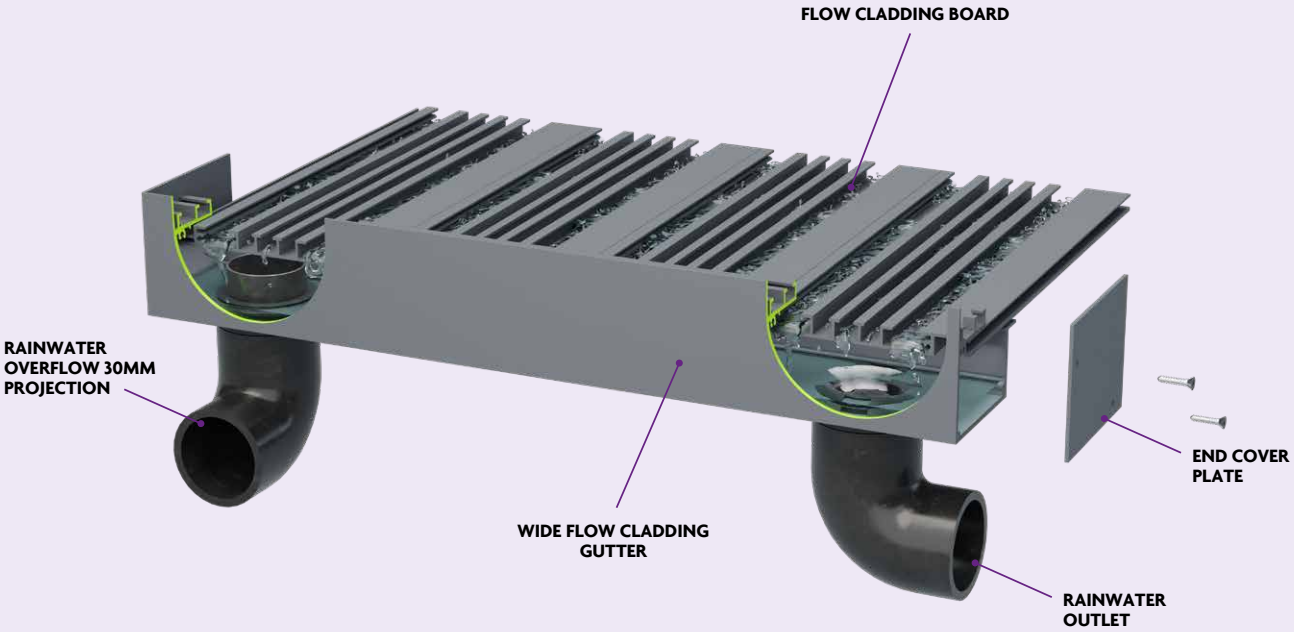
AliDrain

PIPED SOFFIT DRAINAGE

SYSTEM 2

WITH FLOW CLADDING BOARDS & WIDE FLOW CLADDING GUTTER

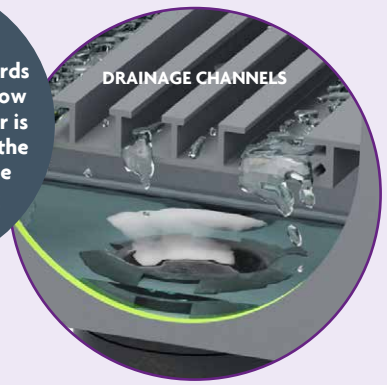
This Soffit-Level Piped Drainage system is designed to collect rainwater in the channels of the Flow Cladding Board before it is directed into a Wide Flow Cladding Gutter. Outlets & overflows are installed in a position to suit the balcony steelwork.



Piped drainage, also referred to as positive drainage, involves the collection and direction of water via channels, gutters, or soffits to a downpipes.

Piped drainage provides a much more controlled approach to wastewater management and helps to reduce the risk of water falling to people or balconies beneath almost entirely. BS 8579:2020 requires that overflow pipes are installed to any gutter system to help prevent water ingress or staining to the building should the gutter or downpipe become blocked.

The water is allowed to flow between the deck boards above and onto the flow cladding boards, water is then directed within the channels towards the wide flow cladding gutter.



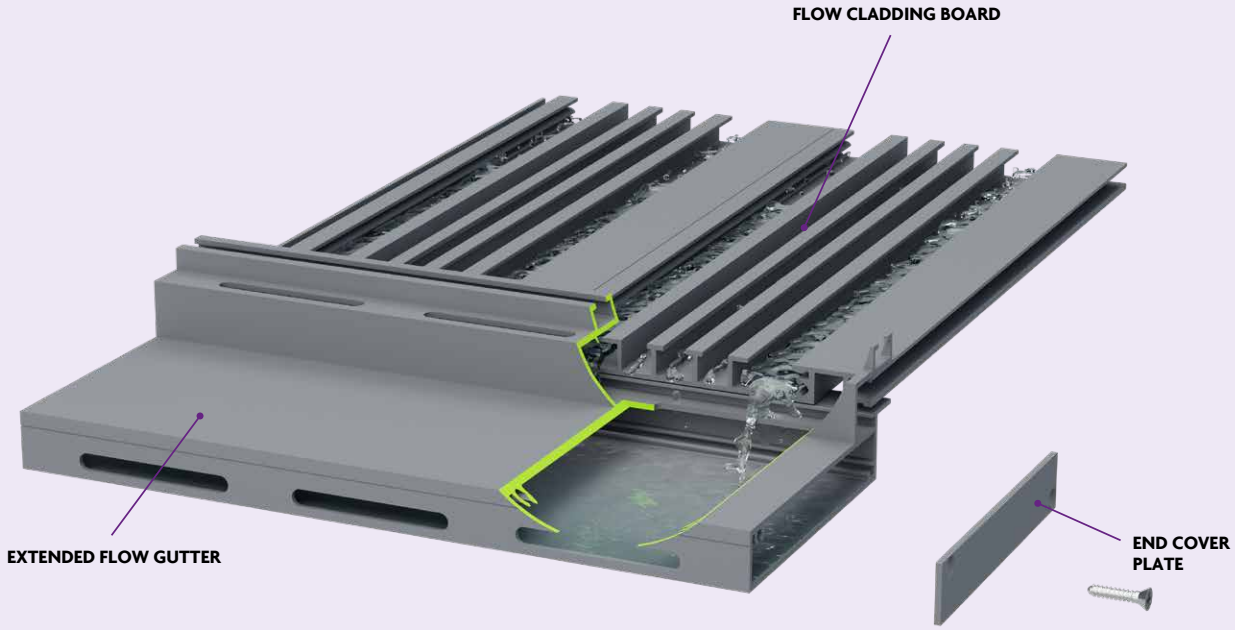
AliDrain

EDGE DRAINAGE

SYSTEM 3

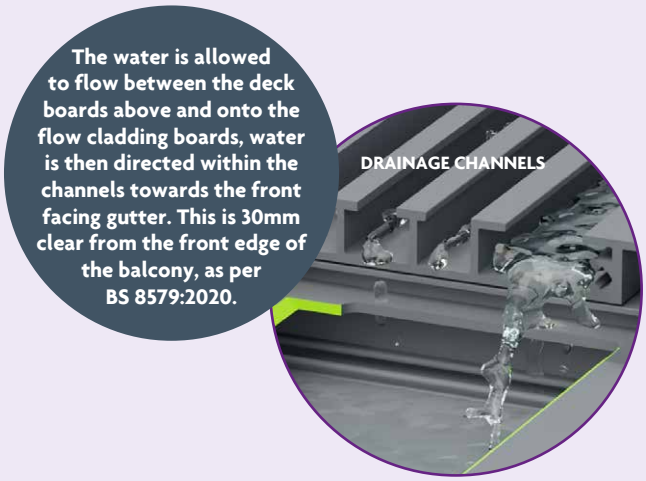
WITH FLOW CLADDING BOARDS & EXTENDED FLOW GUTTERS

This Soffit-Level Edge Drainage system is designed to collect rainwater In the channels of the Flow Cladding Board, before it is directed into an Extended Flow Cladding Gutter. Rainwater is then evacuated at a minimum of 30mm from the balcony edge.



Edge drainage is an available solution when balconies are under 6 metres sq. and do not exceed a projection of 2.5 meters according to both NHBC standards and BS 8579:2020, AliDeck have a compliant solution for these balconies.

As the name implies, in the edge drainage scenario water is collected and directed to an edge where it is thrown clear of the building. Balconies and terraces which project no more than 2.5m from the face of the building may be drained over a perimeter edge into open space, provided the run-off does not cause damage or staining to surfaces below, cause damage or erosion to landscaping, or create a nuisance to people using or visiting the building.

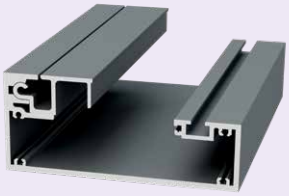


ALIDRAIN Access Gutters and Drainage Channels

Our range of Access gutters and drainage channels will guarantee a compliant system no matter what your drainage requirements are.



JUNIOR OR SENIOR ACCESS GUTTERS



JUNIOR OR SENIOR WIDE ACCESS GUTTERS



JUNIOR DRAINAGE CHANNEL



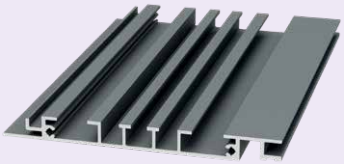
SENIOR DRAINAGE CHANNEL

ALIDRAIN Flow Cladding Boards and Soffit Gutters

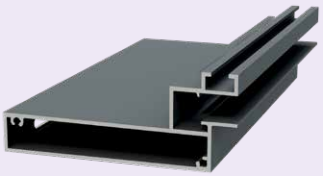
Our cladding boards and soffit gutters can be used with any of our decking and joist solutions. Giving you a wide choice of options depending on your aesthetic or design needs.



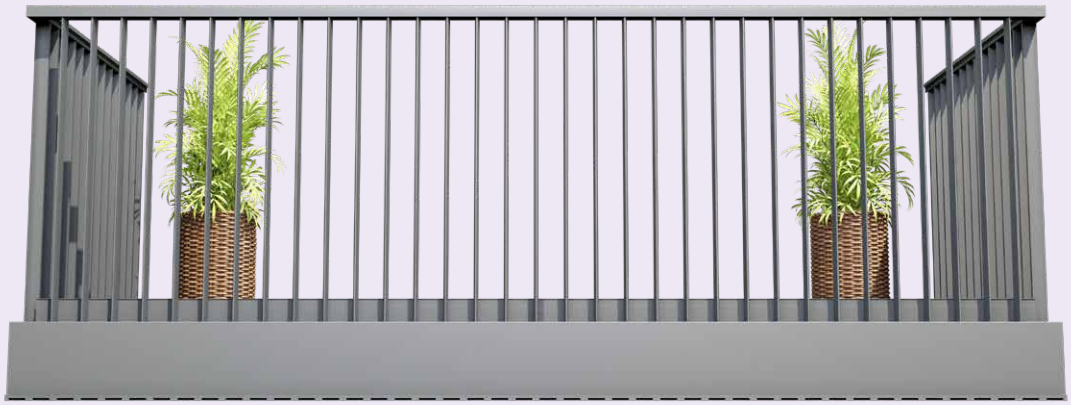
WIDE FLOW CLADDING GUTTER



FLOW CLADDING BOARD



EXTENDED FLOW GUTTER



ALICLAD

Aluminium Balcony Soffit 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:

- **A2-s1, d0 FIRE RATED**
- **ALL ALUMINIUM**
- **HEAT RESISTANT**
- **DURABLE TEXTURED FINISH**
- **LOW MAINTENANCE**
- **RECYCLABLE**
- **STABLE IN ALL WEATHER CONDITIONS**

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.

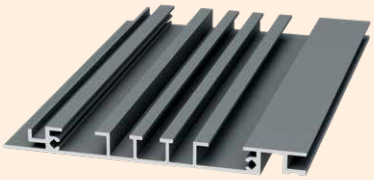
AliClad was designed with steel fabricators and their balcony construction workflows in mind. By removing the need for bespoke folded steel and providing an entirely off-the-shelf cladding solution, architects and designers can be sure that cost, compliance, and design concerns are satisfied from the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



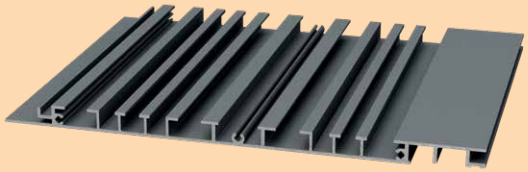
ALICLAD
Soffit & Cladding

A2-s1, d0 FIRE RATED





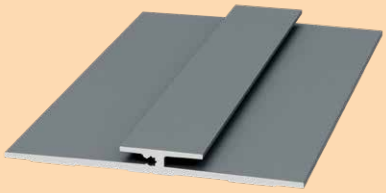
120mm AliClad Flow



240mm AliClad Flow



AliClad Decor



AliClad Lite

ALICLAD

Flow Drainage Soffits

AliClad Flow is our revolutionary and elegant solution for achieving positive drainage in the balcony soffit. Available in the full range of AliDeck colours.

Benefits include:

- **ALL ALUMINIUM**
- **HEAT RESISTANT**
- **DURABLE TEXTURED FINISH**
- **LOW MAINTENANCE**
- **RECYCLABLE**
- **STABLE IN ALL WEATHER CONDITIONS**
- **A2-s1, d0 FIRE RATED**

AliClad Flow balcony soffit cladding is an enclosed water-management system, capturing and diverting rainwater to a specified outlet or edge drainage.

A modular and configurable system, AliClad Flow is designed with steel fabricators in mind. Effectively a channel drain, AliClad Flow is comprised of three simple components;

- A flat, interlocking structural-grade aluminium soffit/fascia panel
- An aluminium starter trim
- An innovative aluminium soffit gutter

The soffit gutter is installed around the perimeter of the balcony framework structure using standard M8 bolts and acts as a cassette to feed the linear interlocking soffit panel

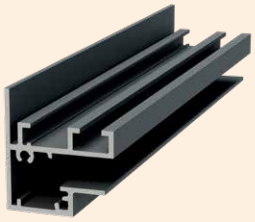
aluminium extrusions into; once you have installed the gutters, simply slide the soffit extrusions into the gutter profiles along the balcony structure, seal using our marine grade sealer then fix the final gutter onto the side once you have all the soffit panels in place.

If the vertical aspect of the AliClad System is required on the balcony fascia the starter trim can be used to secure the AliClad Flow panels in place, so simply install the starter trim and interlock the panel extrusions into it.

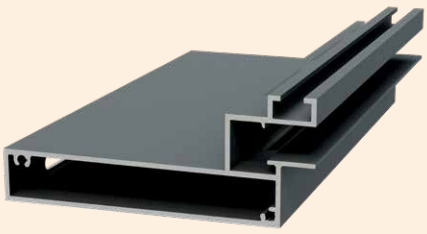


- **Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**

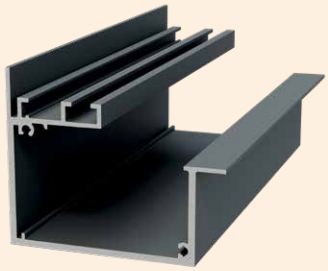




GUTTER CHANNEL



EXTENDED GUTTER CHANNEL

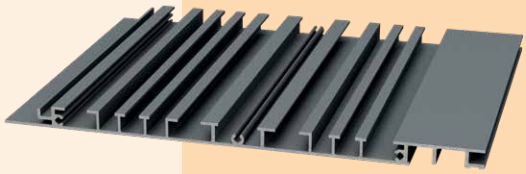


PIPED GUTTER CHANNEL



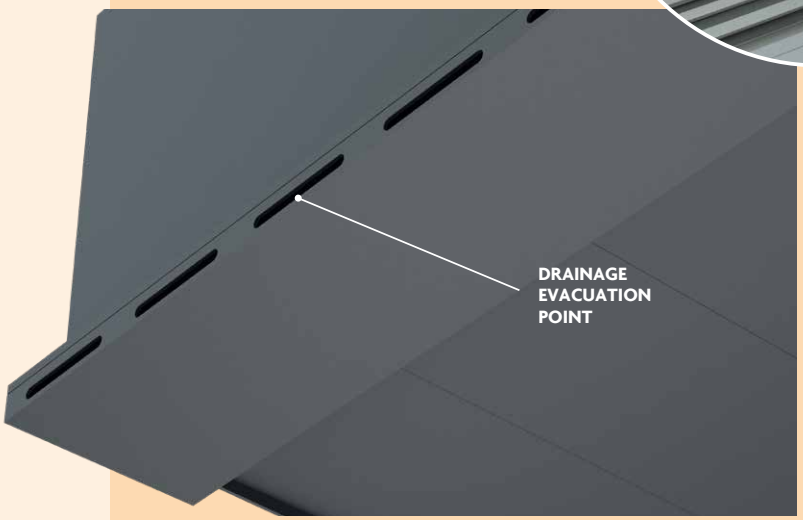
Shadow Gap will appear due to interlocking design of the 240mm Flow Board, this will not impact drainage results

Available in a larger 240mm format





A2-s1, d0 FIRE RATED



ALICLAD

Decor Soffits

AliClad Decor is our elegant solution for concealing the balcony undersides and providing an attractive aesthetic.

Benefits include:

- **ALL ALUMINIUM**
- **HEAT RESISTANT**
- **DURABLE TEXTURED FINISH**
- **LOW MAINTENANCE**
- **RECYCLABLE**
- **STABLE IN ALL WEATHER CONDITIONS**
- **A2-s1, d0 FIRE RATED**

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.

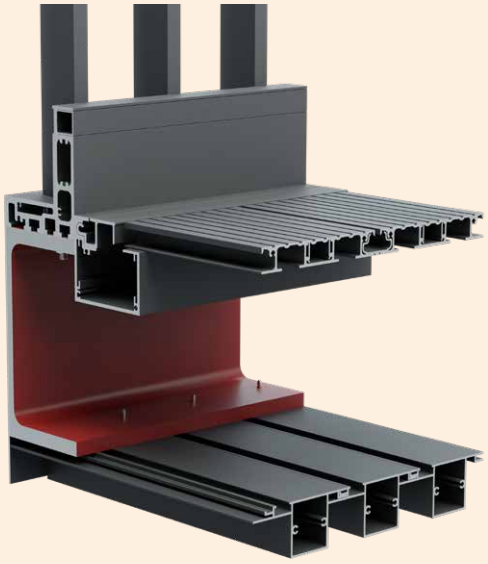
This box-sectional aluminium interlocking balcony cladding solution is decorative, functional, and modular in its design.

It has been designed specifically for balcony fabricators as an off-the-shelf solution, secured by self-drilling screws which are hidden by the profile's interlocking leg. Finished at the soffit edges with a colour-matched aluminium trim, AliClad Decor is an attractive solution for the balcony underside.

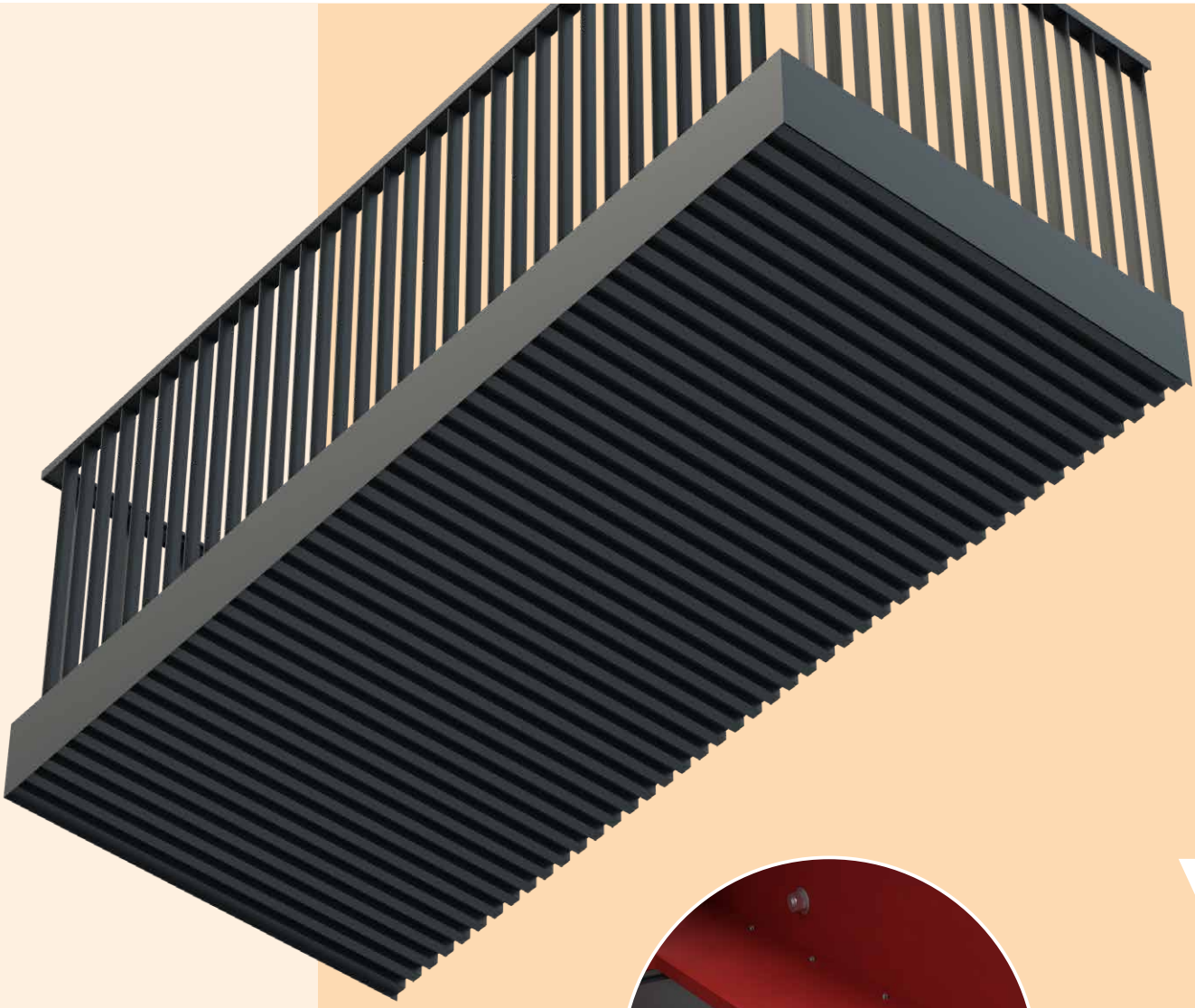
AliClad Decor works in conjunction with our aluminium decking Balcony Drainage System.

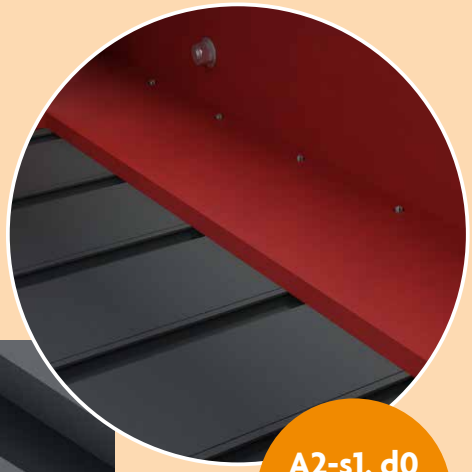


- **Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**









A2-s1, d0
FIRE
RATED



ALICLAD
Lite Soffits

The AliClad Lite aluminium soffit cladding system is a complete solution for all balcony underside requirements on steel cantilever projecting balconies.

Benefits include:

- **ALL ALUMINIUM**
- **HEAT RESISTANT**
- **DURABLE TEXTURED FINISH**
- **LOW MAINTENANCE**
- **RECYCLABLE**
- **STABLE IN ALL WEATHER CONDITIONS**
- **A2-s1, d0 FIRE RATED**

Consisting of extruded aluminium components for high strength and low weight, AliClad's kit-form construction provides excellent versatility and a solution for all requirements.

AliClad Lite is our cost-effective soffit cladding solution, specifically designed to provide a simple but elegant solution to conceal the balcony internals.

A simple extruded aluminium profile, AliClad Lite is incredibly easy to install to new and existing steel balconies.

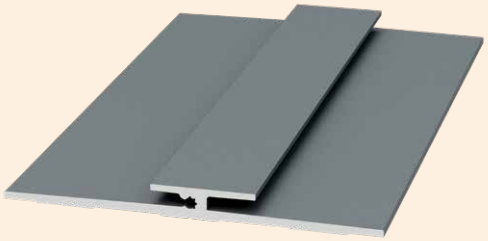
Manufactured as extruded aluminium boards, AliClad fixes directly to the steel framework for ultra-fast installation.

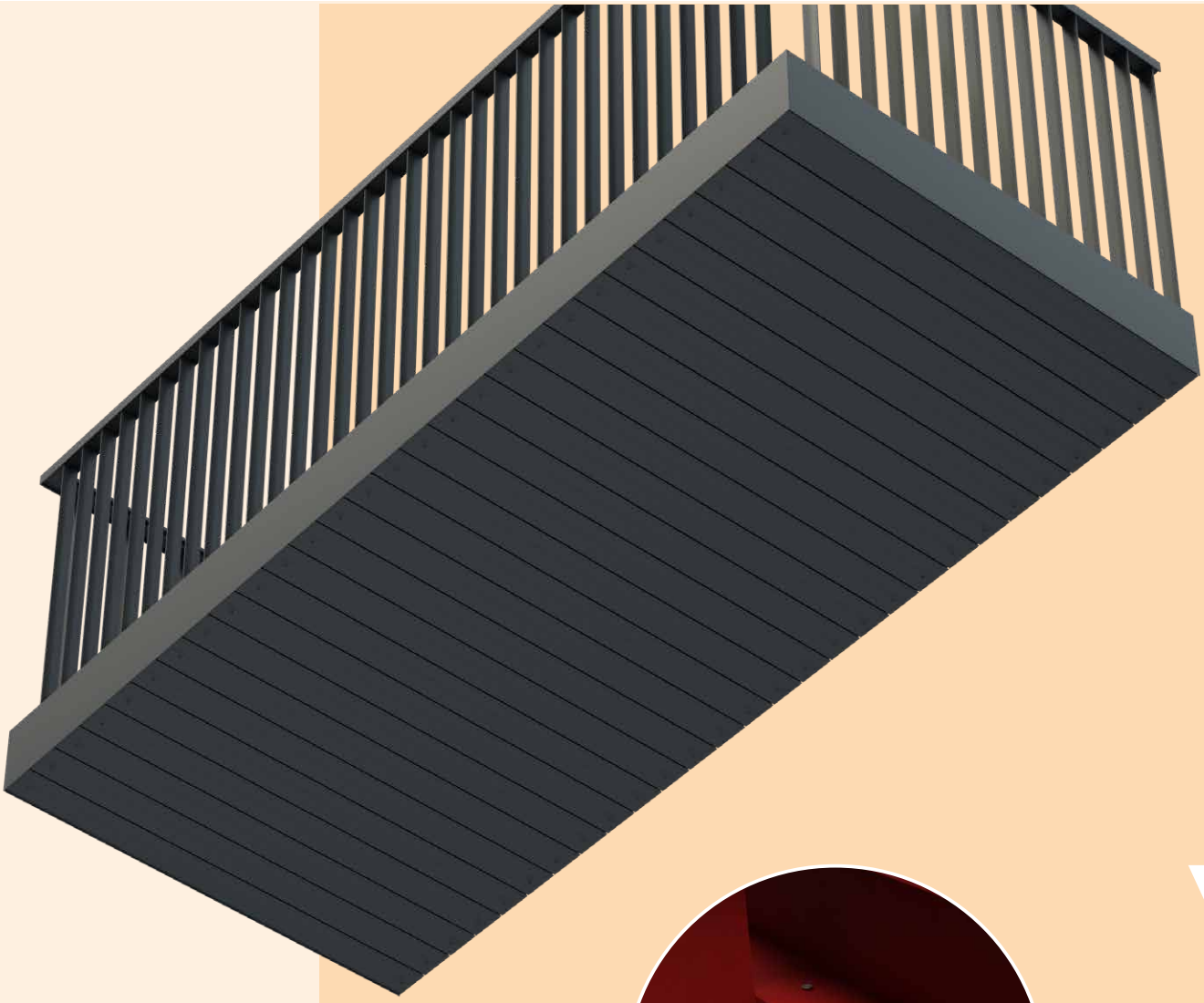
Available in the full range of AliDeck colours with a 30 year manufacturer guarantee.

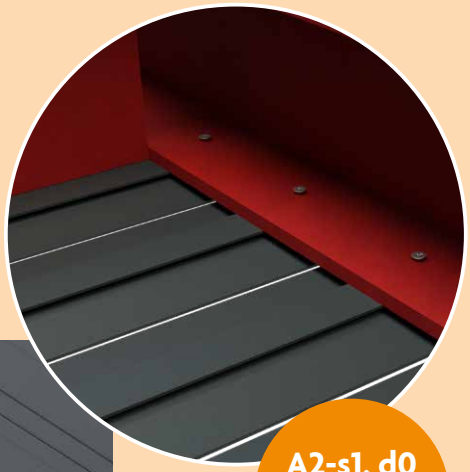


- **Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**

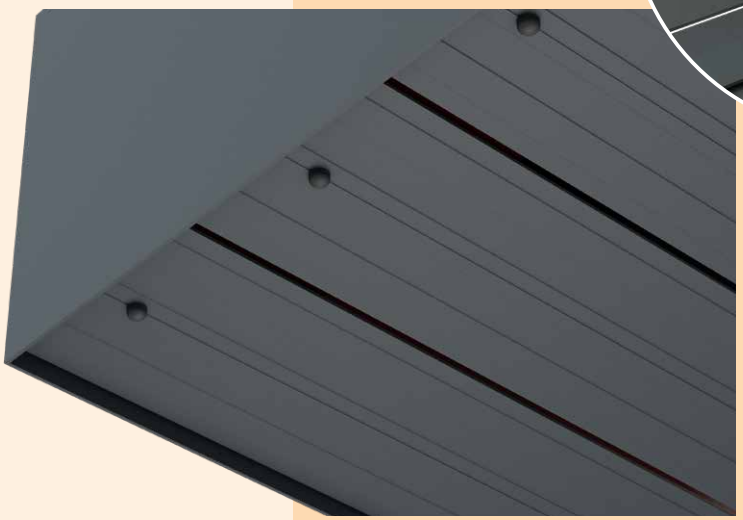








A2-s1, d0 FIRE RATED



ALIRAIL

Aluminium Balcony Balustrades

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

AliRail offers seven innovative external aluminium balustrade systems, designed to deliver cost-effective, off-the-shelf solutions for steel bolt-on, slide-on, Juliet, and concrete inset balconies. Our kit-form component systems have been engineered to deliver excellent aesthetics, durability, and safety.

With four spindle in-fill options, and optional LED Lighting, AliRail is a modular and configurable balustrade design. Each system has been designed with the latest regulations in mind.

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.



A2-s1, d0 FIRE RATED

ALIRAIL
Modular Balustrades





Vertical Infill Balustrade:
Top-Fix PFC 0.74kN Option



Vertical Infill Balustrade:
Plate-Fix 0.74kN Option



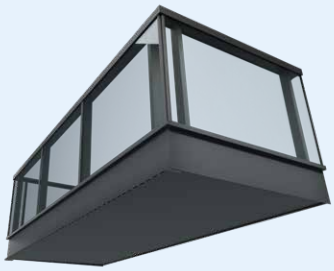
Vertical Infill Balustrade:
Plate-Fix 1.5kN Option



Juliet Balcony Systems
Inner Mounted Option



Juliet Balcony Systems
Outer Mounted Option



Glass Balustrade (A2-s1, d0)*
Insight Glass 0.74kN

*NOTE: For projects over 11m in height, 19mm Glass from Pyroguard must be specified to achieve A2-S1, d0 Fire Rating.

The balustrades and handrails provide a practical and impactful finish to your balconies, terrace deck, or walkway area.





ALIRAIL

Vertical Infill Balustrade:

Top-Fix PFC 0.74kN & 1.5kN Option

The AliRail Vertical Infill Top-Fix PFC 0.74kN & 1.5kN Option is load tested in accordance with BS 6180:2011 (0.74kN/m & 1.5kN/m horizontal line load, 0.5kN infill point load, 1.0kN/m2 infill distributed load). Plate-Fix option also available, see pages 84-85.

Benefits include:

- **A2-s1, d0 FIRE RATED**
- **ALL ALUMINIUM**
- **LIGHTWEIGHT**
- **DURABLE TEXTURED FINISH**
- **LOW MAINTENANCE**
- **RECYCLABLE**
- **HEAT RESISTANT**

A contemporary balustrade system with aluminium vertical spindle infills, Specifically designed for the top fix onto PFC (toes in or out) or box section, available in the full range of AliDeck colours and with LED lighting options.

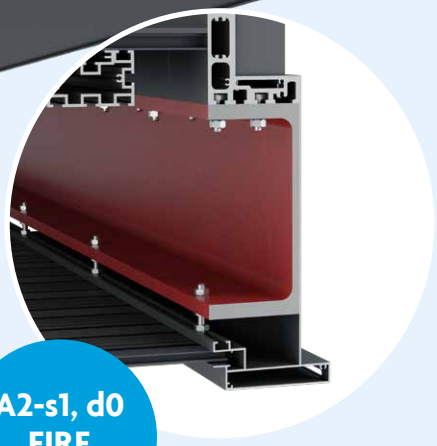
Compatible with all AliDeck Decking, Drainage, and Joist Systems and all AliClad Soffit Cladding Systems.

All AliRail systems benefit from a minimum 60 year life expectancy and 30 year manufacturer guarantee for full peace of mind.





4 SPINDLE SHAPES AVAILABLE



A2-s1, d0 FIRE RATED

- **Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**





ALIRAIL

Vertical Infill Balustrade:

Plate-Fix 0.74kN Option

The AliRail Vertical Infill Plate-Fix Option is load tested in accordance with BS 6180:2011 (0.74kN/m horizontal line load, 0.5kN infill point load, 1.0kN/m^2 infill distributed load). Top-Fix option also available, see pages 80-81.

Benefits include:

- **A2-s1, d0 FIRE RATED**
- **ALL ALUMINIUM**
- **LIGHTWEIGHT**
- **DURABLE TEXTURED FINISH**
- **LOW MAINTENANCE**
- **RECYCLABLE**
- **HEAT RESISTANT**

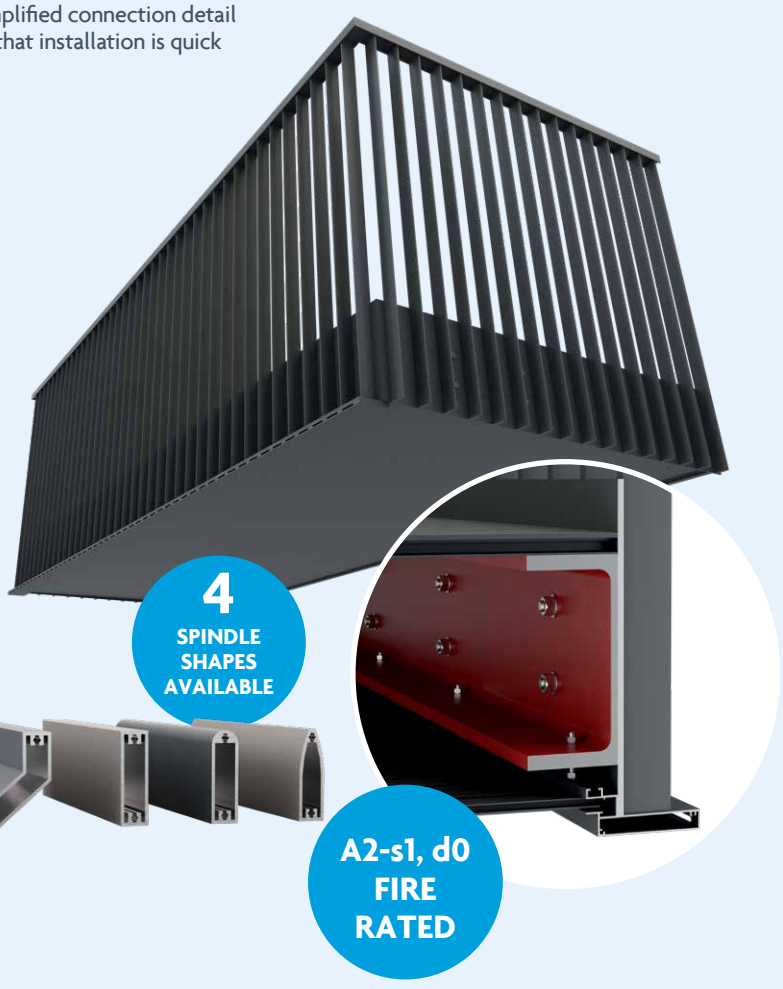
Fixed to the front of the steel, the AliRail Vertical Infill plate-fix option allows for fewer connections into the steelwork and therefore less drilling is required.

This fixing option for our external metal balustrades achieves the residential balcony loading requirements, though, easily achieving the 0.74kN/m horizontal line load performance under test conditions.

The simplified connection detail means that installation is quick and easy, saving a huge amount of time on-site or at the balcony manufacturer's factory.

Available in the full range of AliDeck colours and with LED lighting options.

All AliRail systems benefit from a minimum 60 year life expectancy and 30 year manufacturer guarantee for full peace of mind.



- **Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**





ALIRAIL

Vertical Infill Balustrade:

Plate-Fix 1.5kN Option

AliRail Vertical Infill Plate-Fix 1.5kN Option is load tested in accordance with BS 6180:2011 (1.5kN/m horizontal line load, 1.5kN infill point load, 1.5kN/m2 infill distributed load). Top-Fix option also available, see pages 80-81.

Benefits include:

- **A2-s1, d0 FIRE RATED**
- **ALL ALUMINIUM**
- **LIGHTWEIGHT**
- **DURABLE TEXTURED FINISH**
- **LOW MAINTENANCE**
- **RECYCLABLE**
- **HEAT RESISTANT**

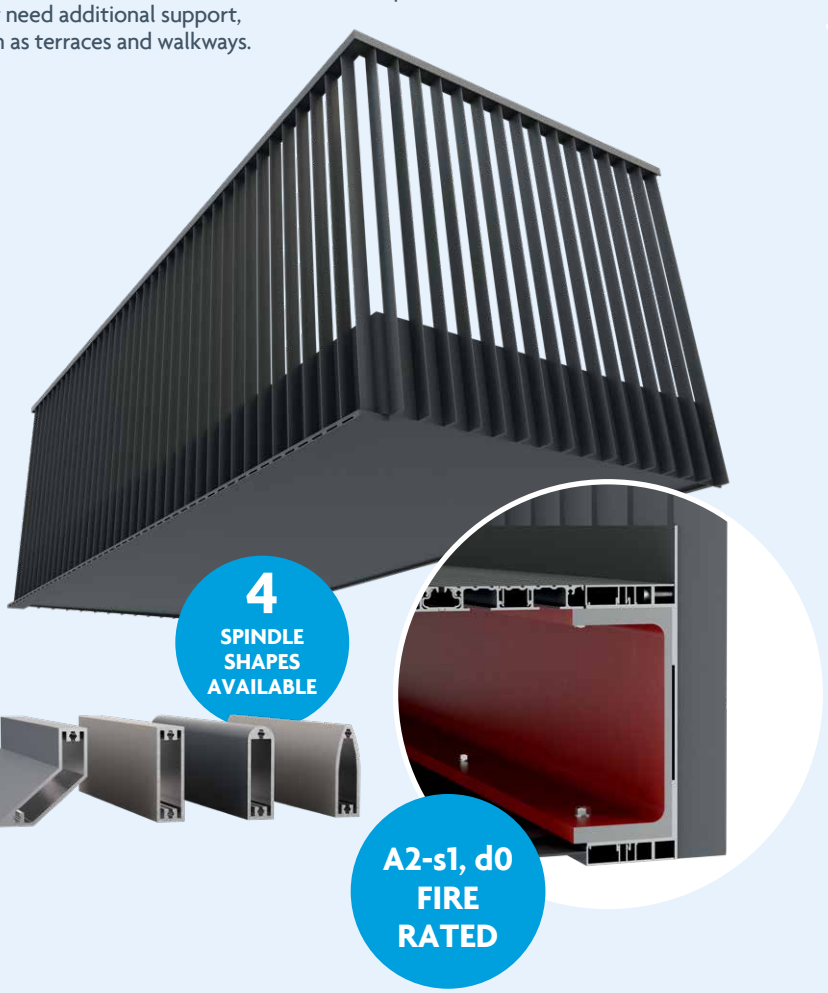
Fixed to the top and bottom of the steel, the AliRail Vertical Infill plate-fix option allows for fewer connections into the steelwork and therefore less drilling is required.

This fixing option for our external metal balustrades achieves the residential balcony loading requirements, though, easily achieving the 1.5kN/m horizontal line load performance under test conditions. Ideal for structures that need additional support, such as terraces and walkways.

The simplified connection detail means that installation is quick and easy, saving a huge amount of time on-site or at the balcony manufacturer's factory.

Available in the full range of AliDeck colours and with LED lighting options.

All AliRail systems benefit from a minimum 60 year life expectancy and 30 year manufacturer guarantee for full peace of mind.



- **Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**



A2-s1, d0
FIRE
RATED



JULIET RAILS FITTED
INSIDE DOOR AREA

ALIRAIL

Juliet - Inner Mounted Option

A contemporary Juliet balustrade system with Aluminium Vertical Infills available in any standard RAL Colour, with LED lighting options. Inner-mounted within the reveal.

Benefits include:

- **A2-s1, d0 FIRE RATED**
- **ALL ALUMINIUM**
- **LIGHTWEIGHT**
- **DURABLE TEXTURED FINISH**
- **LOW MAINTENANCE**
- **RECYCLABLE**
- **HEAT RESISTANT**

With streamlined box-section spindle infills, AliRail Juliet is an ideal choice for architects and specifiers looking to maximise the living potential of their modern home designs.

Featuring 100% aluminium construction, AliRail Juliet is available in any RAL colour for seamless integration to developments. Factoring in the addition of LED lighting options, AliRail Juliet is a sure-fire route to a stunning aesthetic impact.

AliRail Juliet is A-Rated for non-combustibility and is fully compliant with fire-safety and loading regulations.

AliRail Juliet is incredibly simple to install to your building façade and is fully compatible with the AliDeck and AliClad systems should there be a small balconette projection to consider.

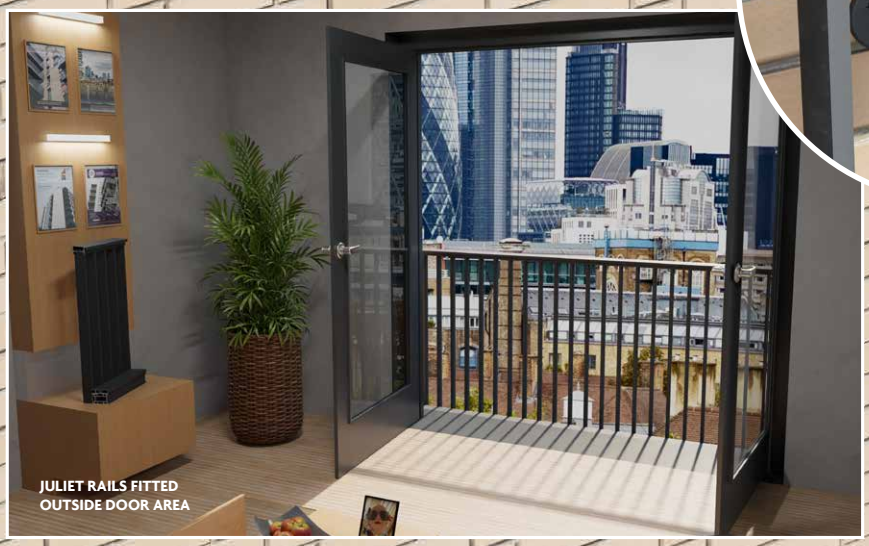


4 SPINDLE SHAPES AVAILABLE

- **Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**



A2-s1, d0
FIRE
RATED



JULIET RAILS FITTED
OUTSIDE DOOR AREA

ALIRAIL

Juliet - Outer Mounted Option

A contemporary Juliet balustrade system with Aluminium Vertical Infills available in any standard RAL Colour, with LED lighting options. Outer-mounted to the external wall face.

Benefits include:

- **A2-s1, d0 FIRE RATED**
- **ALL ALUMINIUM**
- **LIGHTWEIGHT**
- **DURABLE TEXTURED FINISH**
- **LOW MAINTENANCE**
- **RECYCLABLE**
- **HEAT RESISTANT**

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- **Bespoke RAL Colours available upon request**





A2-s1, d0
FIRE RATED
on 19mm glass

ALIRAIL

Insight Glass Balustrade 0.74kN

Enhance your balcony with the NEW AliRail Insight Glass Balustrade System from AliDeck. Can be installed to A2-s1, d0 fire rating when used with 19mm Glass from Pyroguard.

Benefits include:

- **A2-s1, d0 FIRE RATED**
- **ALL ALUMINIUM**
- **LIGHTWEIGHT**
- **DURABLE TEXTURED FINISH**
- **LOW MAINTENANCE**
- **RECYCLABLE**
- **HEAT RESISTANT**

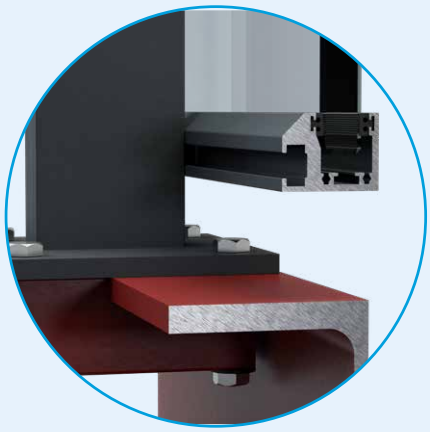
The AliRail Insight Glass 0.74kN system is the perfect solution for residential steel balconies. Compatible with all AliDeck brands and their A-Rated Fire Safe solutions.

Load tested in accordance with **BS 6180: 2011** (0.74kn/m horizontal line load, 0.5kN infill point load, 1.0kN/m2 infill distributed load).

NOTE: For projects over 11m in height, 19mm Glass must be specified to achieve A2-s1, d0 Fire Rating.

Pyroguard BALUSTRADES







- **Available in 10 Standard Colours**
- **Bespoke RAL Colours available upon request**



A-FENCE

Aluminium Fencing Panels and Balcony divider solutions

A2-s1, d0 FIRE RATED

Manufactured entirely out of aluminium, A-Fence will revolutionise the fencing market. Requiring very few components to achieve an effective and robust installation, the fire-safe A-Rated aluminium design will be catching the eyes of architects, developers and, of course, homeowners across the country.

Benefits include:

- **A2-S1, D0 FIRE RATED**
- **ALL ALUMINIUM**
- **HEAT RESISTANT**
- **LOW MAINTENANCE**
- **RECYCLABLE**
- **STABLE IN ALL WEATHER CONDITIONS**
- **QUICK AND EASY TO INSTALL**

A-Fence is a stylish yet highly practical approach to fencing for residential and commercial premises. Made from durable T6 6063 Grade aluminium, A-Fence is a cost-effective solution for futureproofing your balcony and perimeter fencing projects.

A-Fence offers hassle-free installation, requiring very few components.

This makes it an ideal choice for your balcony division and privacy screening projects, while also making a highly desirable fencing and gateway option.

To learn more about A-Fence or to get a quote, contact us today. We would be happy to help you choose the right products and specification for your needs.



A-FENCE Aluminium Fencing

Standard colours available:

RAL 7016 Anthracite Grey

RAL 9005 Jet Black

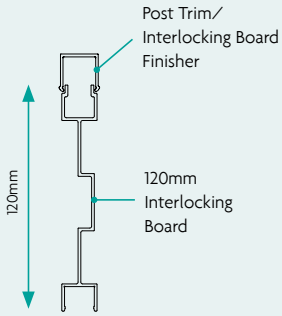
Bespoke RAL Colours available upon request



Interlocking Board Option

For added privacy, A-Fence is also available with our Interlocking Board options. This option provides a solid, uninterrupted barrier that is perfect for balconies, fences, and other areas where you want to create a more private space.

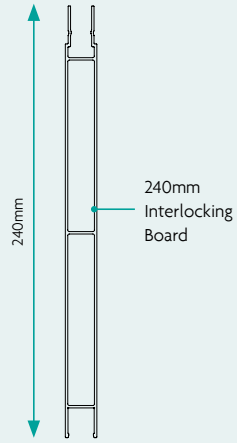






120mm Interlocking Boards





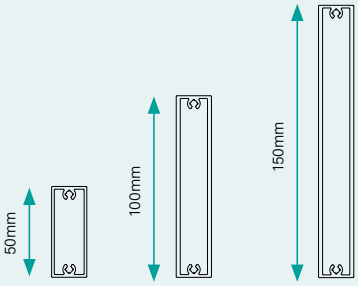


240mm Interlocking Jumbo Boards

Three Fence Slat Sizes

A-Fence is available in three fence slat sizes: 50mm, 100mm, and 150mm. This gives you the flexibility to choose the right size for your needs, whether you want a more open or more private environment.







50mm Fence Slats



100mm Fence Slats



150mm Fence Slats

Aluminium Gate Solutions

Aluminium gates are perfect for enhancing shared balconies, terraces, and walkways by offering both privacy and accessibility. These gates seamlessly integrate with the A-Fence system, ensuring a cohesive and sleek appearance that elevates the aesthetic and functionality of any outdoor space.

Our A-Fence Matching Gate Solution integrates with other AliDeck ranges, maintaining a cohesive and sleek look. Constructed from premium aluminium, our gate is engineered for strength and longevity, with a durable powder-coated finish for extra protection against the elements.

Our aluminium gates are ideal for residential and commercial projects, providing essential access and enhancing security and privacy. They are easy to operate while maintaining a strong, sturdy structure.

Beyond balconies and walkways, our gates are versatile enough for entrances and storage areas, ensuring consistency and style across your project. Should you require proof of concept, please contact a member of our team and we can provide more information on the versatility of our gate profiles.

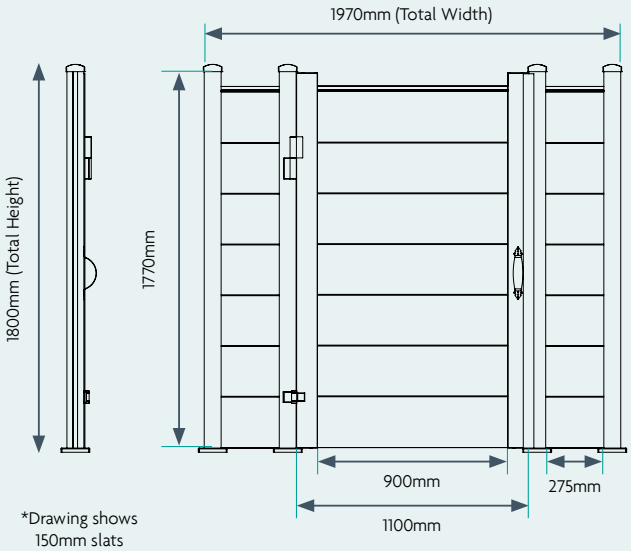
Experience the blend of privacy, accessibility, and durability with our Aluminium Gate solutions, designed to meet the unique demands of modern shared spaces.

KEY BENEFITS

- **Privacy & Access**
- **Seamless Integration**
- **Durable Construction**
- **Stylish & Practical**
- **Versatile Use**
- **Proven Performance**







*Drawing shows 150mm slats



Balcony Dividers and Privacy Screens

Shared balconies and terraces offer a wonderful way to enjoy the outdoors but can sometimes lead to conflicts without clearly defined private spaces. Aluminium balcony dividers provide the perfect solution, offering effective privacy without blocking light.

Constructed from durable aluminium, these dividers are built to withstand the elements, ensuring they last for many decades. Their excellent corrosion-resistance properties make them a futureproof choice, requiring minimal maintenance and being easy to clean. This durability allows you to enjoy your balcony or terrace in peace, without the worry of constant upkeep.

Available in a variety of styles to suit different tastes, aluminium balcony dividers not only enhance privacy but also add value to the property. They seamlessly blend with any architectural style, bringing a modern and sleek look to shared outdoor spaces.

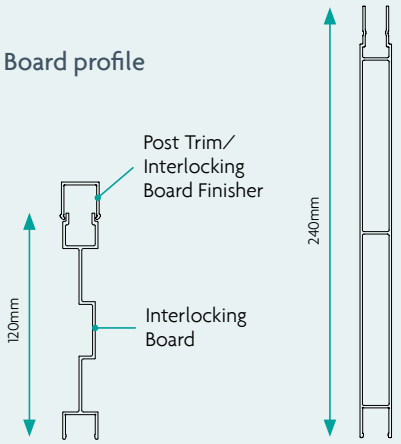
Aluminium balcony dividers are a practical and aesthetic enhancement to any project. The renders provided showcase the effectiveness and appeal of these dividers, proving their capability to improve both functionality and appearance.

Specify aluminium balcony dividers in your future projects to create distinct, private spaces that enhance the overall experience of shared balconies and terraces. Experience the perfect combination of privacy, durability, and style with our aluminium balcony dividers.

KEY BENEFITS:

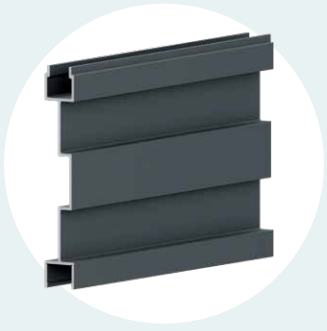
- **Effective privacy**
- **Durable material**
- **Low-maintenance**
- **Variety of styles**
- **Futureproof**

Board profile





INTERLOCKING BOARDS





Case Study

SAVOY HOUSE

Refurbishment projects for balconies and terraces represent major challenges for residential buildings in terms of resident upheaval, compliant specification of new material, achieving safe solutions, and aesthetic impact. For commercial buildings, however, these concerns are magnified. Ensuring the smooth operation of the project from conception to completion is key to delivering project success for any venue, particularly so for buildings in sensitive locations. Close collaboration with all stakeholders is essential to achieve the right outcome.

AliDeck are thrilled to have supported such a key remediation project at IET London: Savoy Place and on a recent site visit following completion we enjoyed the incredible views that overlook some of London's most iconic scenery. The venue has been home to the Institution of Engineering and Technology (IET) since 1909 and hosts a wide range of events every year. It's a real peach of a building, steeped in history.

We like to work closely with our customers, ensuring that the right specifications are made to create project success for all stakeholders. In this instance, John from IET joined our estimating team in undertaking numerous site visits throughout the early stages. Careful surveying allowed us to ensure that the right products were specified for the most cost-effective solution.

Precise attention to detail was imperative for this project. Aesthetics of the finished install were extremely important as the location of the building in Central London alongside its neighbouring historical buildings required a seamless integration.

With the regular events that occur on the Savoy Place terrace, the London Eye is located just a stone's throw away across the river meaning the terrace has the potential to be seen by thousands of people on a daily basis.







BEFORE



Close collaboration key to roof terrace decking replacement success

Due to our hand-in-glove working relationship, IET and AliDeck were able to successfully oversee the transformation of the terrace from start to finish. Upon our initial site visit, we could see that the terrace had steels at 400mm centres, accompanied by timber decking and joists which had begun to show signs of age. In May 2022 the final material specification was agreed by all parties and the AliDeck team moved into production.

Phase one saw the stairs and lower part of the terrace refurbished. These areas were used as a "proof of concept" of sorts to prove the practical and aesthetic impacts of our aluminium decking boards. In this section, we supplied our Junior Ridged Decking Board, Lite Joist & Pedestal Brackets with spreader plates. The outcome was positive, with all stakeholders pleased with the end result and satisfied to proceed to the whole terrace area.

Phase two included the roof terrace elevated platform, the main event space overlooking the Thames. Here, the installation team were tasked with the removal of the existing timber decking, taking the terrace back to expose the steel frame. Our aluminium decking boards and support bearing joists could then be installed directly into the framework at the required build height.

Due to the size of the supplied material, it could not be transported to the terrace internally, meaning a crane was required to lift the material from the kerbside up to the roof terrace. As you can imagine, this is no easy feat to achieve in central London but, again, the close collaboration between the AliDeck and IET teams made for a smooth and successful operation.

The required build-up height was 50mm, and a 30mm aluminium box section with our 20mm Junior Board satisfied this and proved a cost-effective solution. The decking boards run front to back on the terrace with a space of 2mm between the ends of each board to allow for expansion under summer temperatures. The box section runs every 400mm on top of the existing steel framework to provide stable support.

Bespoke details easily achieved with versatile aluminium decking system

A notable bespoke feature for this project was the use of 35 unique access hatches. These were required to allow access to electrical points and other vital infrastructure located under the terrace decking. It was essential that easy access for engineers be available should any electrical issues or other maintenance requirement arise.

To create these hatches, the installation team precisely cut our non-combustible decking boards to size and fixed to short lengths of the aluminium box section. A simple slanted cut to the ends of the box sections allows for easy opening.

Another unique feature to the terrace is the addition of LED uplights in the decking boards, creating atmospheric lighting for evening events. These bespoke lights are sited in the central fixings channel in the boards. Instead of using the board's clip the entire length of the fixing channel to conceal the fixings, the installation team instead used short lengths of semi-opaque plastic to allow light to pass through from installed LED strips. The effect is really quite something and it's great to see the versatility of our products demonstrated in such a striking way.

The refurbishment of the terrace area and the removal of the combustible materials has delivered a fire-safe solution that will last for a minimum of 60 years, proving a future-proof and cost-effective investment.

An excellent level of workmanship has resulted in a fantastic outcome for all stakeholders involved in such a prestigious project, which is of course the only acceptable outcome when partnering with AliDeck as we ensure that project success is built into all aspects of our products and operations. We're delighted with the transformation we have seen to the IET London: Savoy Place roof terrace. Having been deeply invested in this project for over a year it's really heart-warming to see it all come together so well. Hats off to the IET team for a job well done!

Case Study

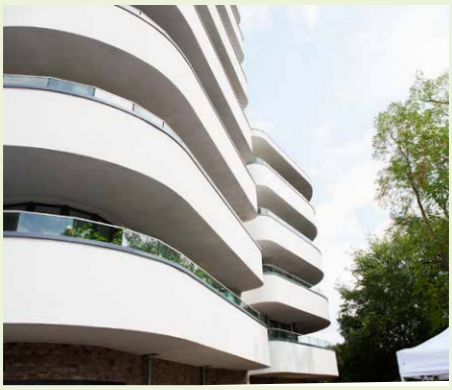
HORIZONS ASSISTED LIVING

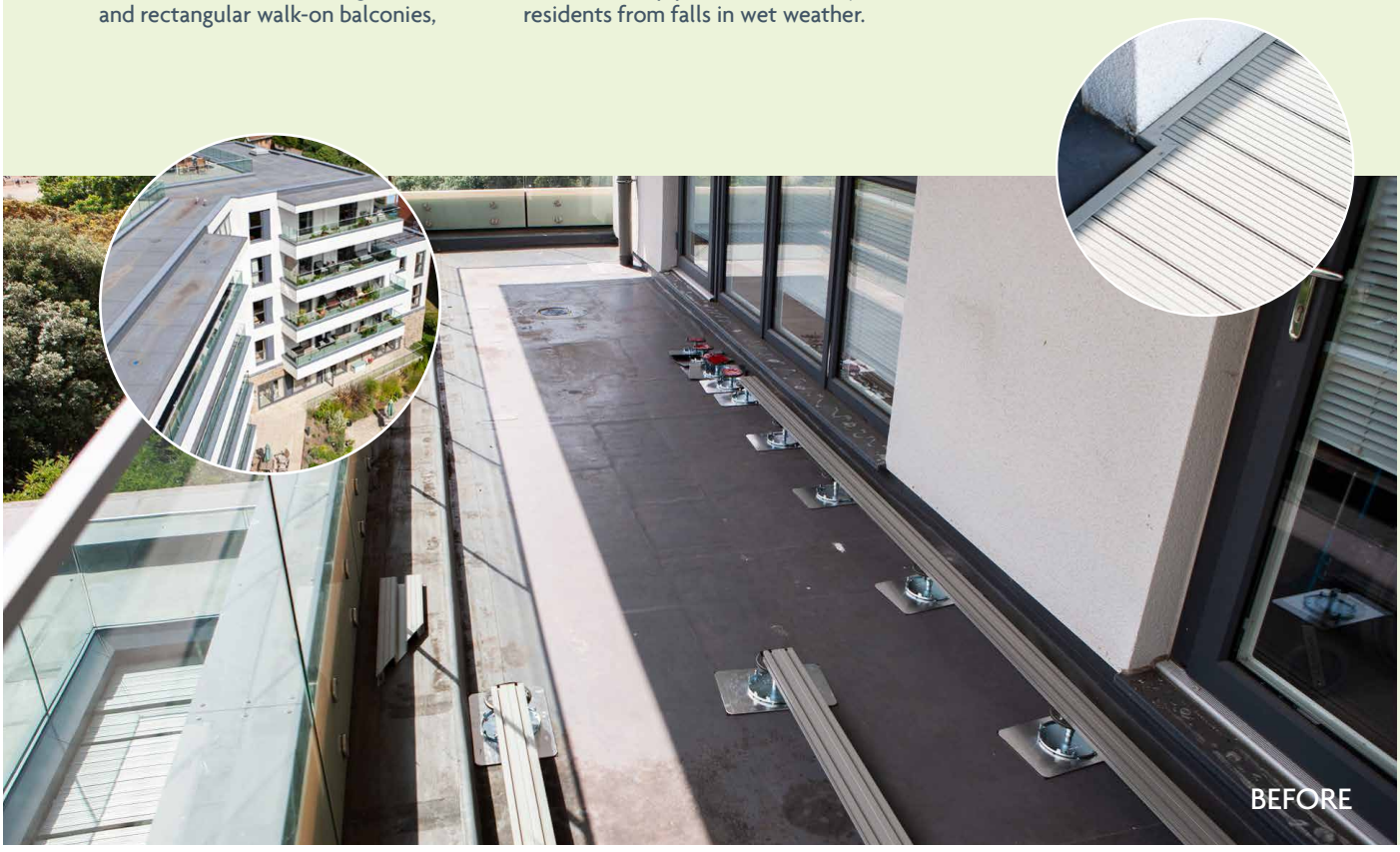
Fire safety remediation projects are underway across the UK with thousands of buildings undergoing fire safety reviews. This ongoing Building Safety Crisis has seen many leaseholders caught in the middle of an all-too-often labyrinthine process, but much progress has been made as conscientious building owners and managers continue to roll out these essential refurbishment works.

One such project is at the Horizons Assisted Living complex in Poole, Dorset. McCarthy Stone, the building's manager, took the proactive decision to switch to aluminium decking as part of fire safety improvement works. Rapidly becoming the de facto standard for architects, designers and specifiers for new builds, aluminium decking and balcony components have proven to be a cost-effective and fire safe solution for balcony refurbishment projects.

With incredibly scenic views, the retirement home has a range of curved and rectangular walk-on balconies, terraces, and walkways on the external walls of the property and these are a much-loved and essential outdoor living space amenity for the residents.

The contractors for the project, Spetisbury Construction, replaced the existing composite decking boards with our non-combustible aluminium decking. The decking boards specified for this project were our ridged Senior Board, chosen for its strength and stability, but also for its excellent slip resistance. This was an important feature to help protect the elderly residents from falls in wet weather.







AFTER

Careful planning was required to cope with many of the complex, curved shapes to the deck areas but with close collaboration between AliDeck and Spetisbury, these challenges were easily overcome. Our Drainage Channels were also sited between each decking board to collect and divert rainwater to the balcony edges for more controlled evacuation. Colour-matched angle trims and infills were used to create a seamless finish to all areas for an excellent visual impact.

While the fire safety remediation process was underway, some of the residents required their balcony plants to be relocated to keep them safe. All of these potted plants were carefully moved into a secure area with access to sunlight and two members of the Spetisbury installation team ensured the plants were watered and looked after. This is a lovely and thoughtful gesture by Spetisbury and should be commended. Certainly, the residents were very pleased to have their plants returned to their balconies in good and healthy condition.

Overall, this project is a great showcase of the AliDeck range of aluminium decking and the fantastic work that our customers and installers are able to achieve using the material. It's a great outcome for all stakeholders and we have heard reports that the residents were very happy with the results. They can now look forward to a fire safe environment in which to enjoy their outdoor living activities as they take in the beautiful surrounding scenery of the Poole Harbour.

"AliDeck was the perfect choice for replacing the existing composite decking at Horizons; non-combustible, slip resistant, durable and offered with a 30-year Qualicoat Seaside Warranty in this coastal location. The stone grey from their standard colour range works beautifully with the contemporary architecture and AliDeck's Richard Izzard worked with the project to provide design solutions for the varied shapes and sizes of balconies, including curved corner and tapered balconies."

Jackie Dunn, Project Manager

Case Study

MANOR ROAD QUARTER

AliDeck has successfully supplied a diverse range of cutting-edge aluminium balcony solutions to the Manor Road Quarter project in Canning Town, London. The AliDeck Ultra Decking Board, AliRail Plate Fix 0.74kN Option (AliRail System 2), and the aesthetic AliClad Flow Cladding Board will now create a complete balcony solution, as this collaboration with Alloy Fabweld showcases our commitment to innovation and technical excellence.

The collaboration was forged through an in-depth meeting with the owner of Alloy Fabweld and the design team before a joint proposal was presented to the team at Morgan Sindall, a leading British Construction & Regeneration group.

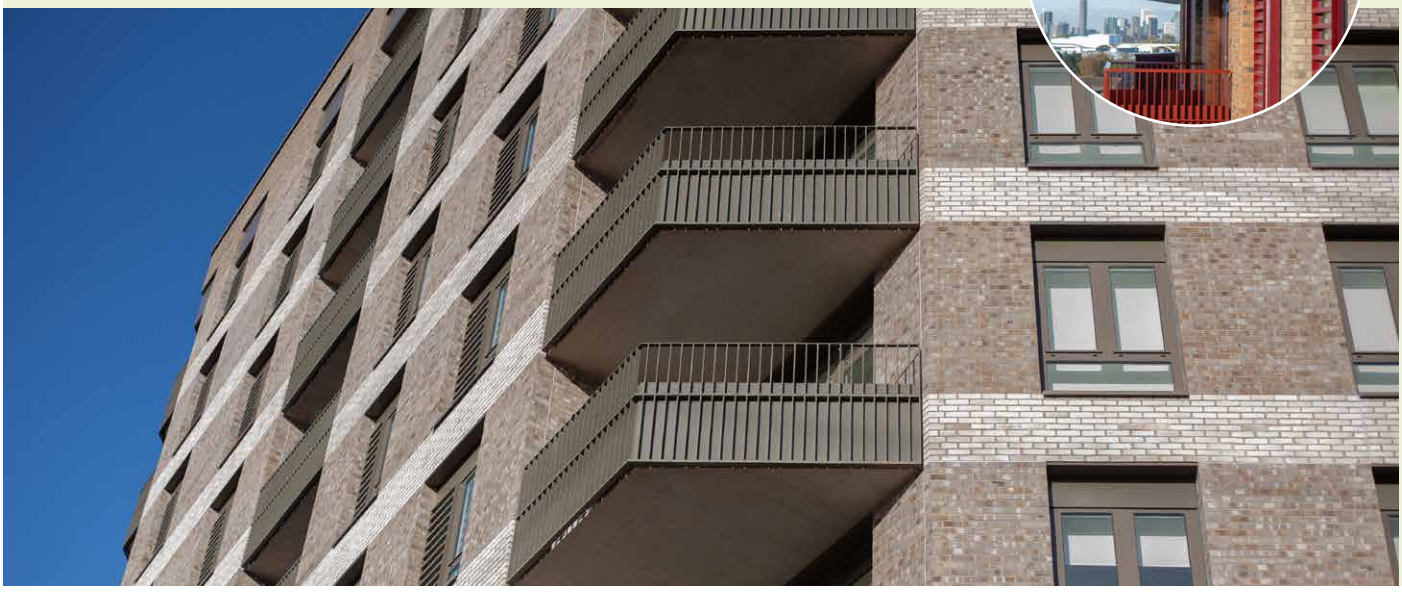
This exciting new-build project will create 855 new homes in total. With AliDeck supplying balcony materials for Phase 2 & 3 of the project. The highest of the three new residential towers will stand 32 storeys high, with the ground floor hosting flexible commercial space along with the multiple apartment types available.

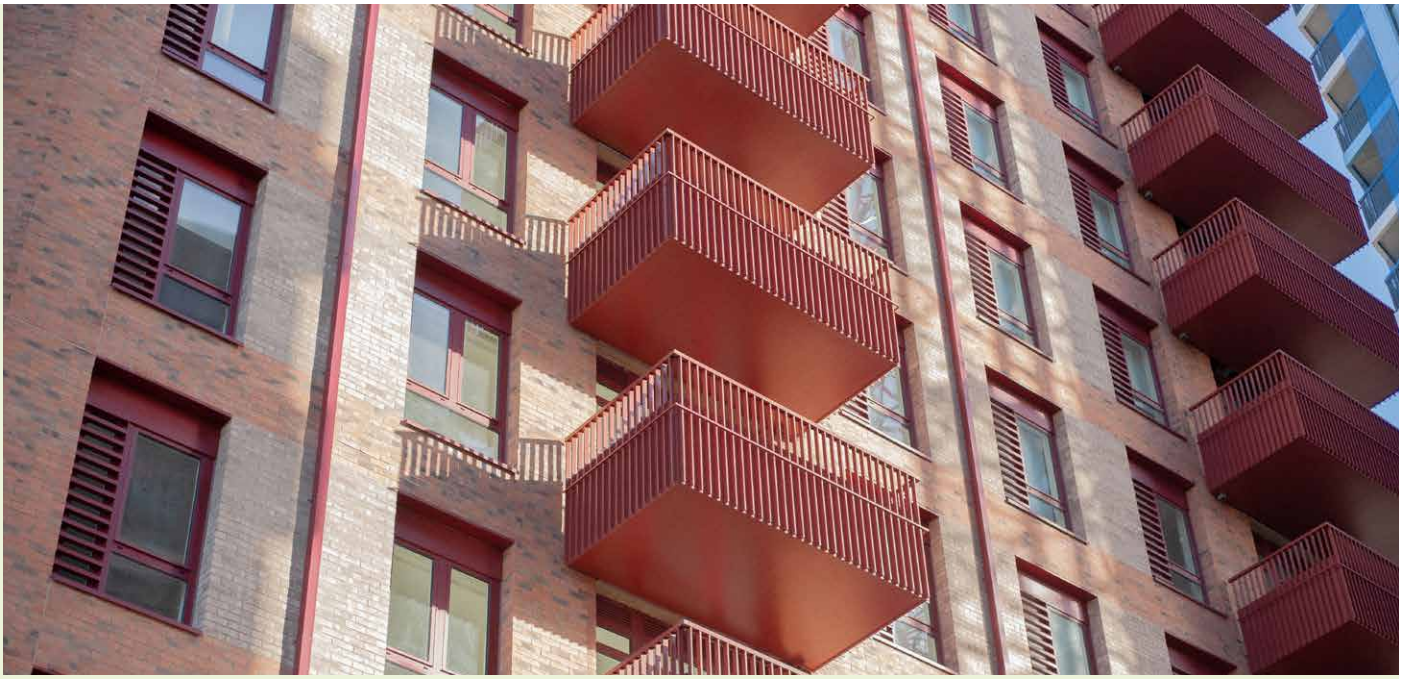
Phase 2 is a 9-storey concrete framed building that will lay home to 61 apartments. Phase 3 stands at 12 storeys high with 79 apartments. Each home will benefit from a balcony that will feature our aluminium decking solutions, providing residents with a safe and futureproof environment for decades to come.

Alloy Fabweld, a leader in architectural metalwork for both the Commercial and Residential sectors with over 20 years of experience, has played a pivotal role in the success of the Manor Road Quarter project in Canning Town, London. Their commitment to delivering innovative solutions is evident in the lightweight flat-pack solution, Triple S Balcony, utilised on this project.

All aluminium decking boards, balustrades, and soffit drainage boards were expertly finished, with Phase 2 utilising our popular RAL 7030 Stone Grey powder-coated finish – one of our 10 standard options. Phase 3 offers distinctive flair, finished in RAL 3009 Oxide Red, a captivating bespoke colour available upon request. All products are powder-coated in-house through our seven-stage pre-treatment facility and highly trained staff using class 2 powders only, well above industry standards.







Innovative Collaboration: Crafting the Triple SSS Balcony – A Pivotal Design Element in Securing Project Success

The use of Triple SSS Balconies played a pivotal role in the success of the Manor Road Quarter project. Weighing only 850kg based on this balcony size, these lightweight flat pack solutions drastically reduce weight while meeting stringent deflection criteria.

Beyond its weight advantages, the Triple SSS Balcony significantly enhances project efficiency. Its flat pack nature reduces installation time and material costs, underscoring its impact on both the project timeline and budget. This innovation combines versatility with adaptability, offering architects and builders the freedom to create unique balcony configurations efficiently on-site.

The Triple SSS Balcony symbolises more than a construction element; it represents the forward-thinking ethos of AliDeck and Alloy Fabweld. In the context of Manor Road Quarter, this solution sets a new standard for lightweight, efficient, and structurally sound balcony design, showcasing the power of collaboration in pushing the boundaries of traditional construction practices.

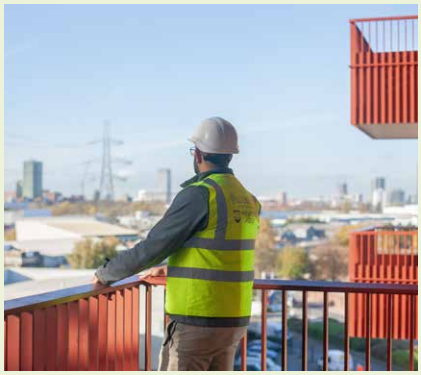


Comprehensive Excellence: Leveraging the Power of Multiple AliDeck Brands for Holistic Balcony Solutions

The installation of AliDeck's Ultra Balcony Board with built-in Drainage Channel for effective water management expertly fitted to create a secure and visually appealing decking solution. The 60mm concealed fixings channel is ideal for placement of lifting eyes to allow for craning completed balconies into place with all boards pre-installed. Fast and hassle-free installation is guaranteed with the invisible top clip system which can be installed from the top down.

Our Plate Fix 0.74kN Option, also known as AliRail System 2, reinforces our commitment to safety and functionality. Collaborating with Alloy Fabweld for the external Fascia Plates, the 0.74kN Plate Fix option ensures a secure and visually pleasing balustrade system. The AliRail brand highlights our dedication to top-tier balustrade solutions that complement the overall design of the balconies.

The AliClad Flow Cladding Board adds a distinctive touch to the project. Carefully customised to a length of 5240mm, these boards are expertly fitted to enhance the aesthetics of the balconies. The Flow Board ensures effective drainage at soffit-level to channel rainwater and spillages away from balconies and pedestrian walkways below, while maintaining a high-quality finish that elevates the visual appeal of the project's exterior.



Case Study

CRAWFORD BUILDING

In recent years, remediation of combustible materials found in multi-story multi-occupancy buildings has become a pressing issue. Many of the buildings at risk are located in major cities across the UK, such as London. Non-combustible materials like aluminium are now contributing to the development of a fire-safe future, limiting the risk to thousands of lives across the UK.

A recent article on our website highlighted AliDeck's involvement in the remediation work to be conducted at the Crawford Building in Whitechapel, London. Work has since been completed, and we are delighted to share the successful results with you here. Members of the AliDeck team recently joined Darren from Tranquil on-site to see the results first-hand.

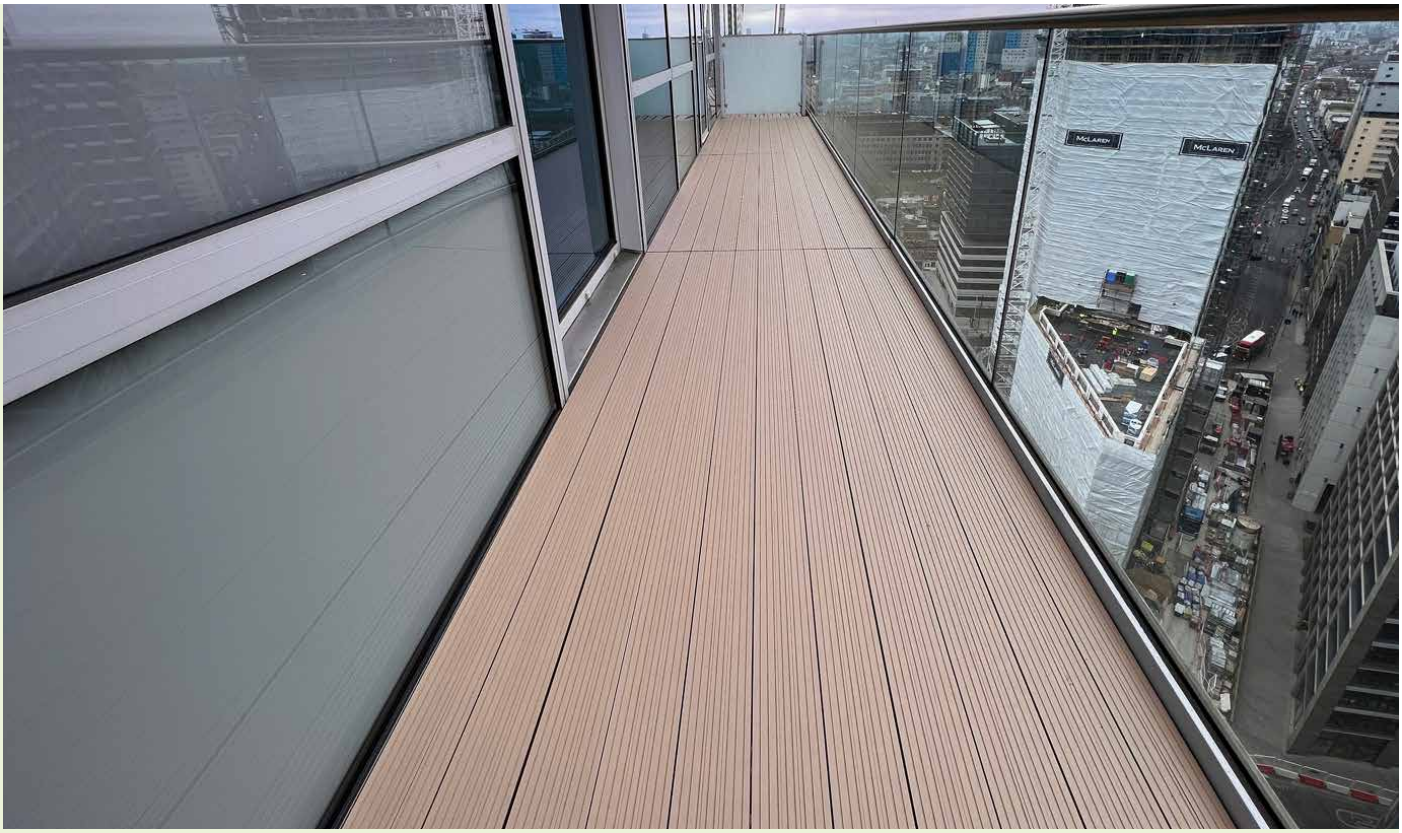
The work was required following a fire that destroyed a 17th-floor flat and balcony, also damaging a small section of the external façade. The building owner sought an immediate solution to prevent this from happening again, with AliDeck on hand to provide the required fire-safe and futureproof materials to meet the latest compliance standards.

Tranquil Construction is an established family-run business with many years of experience across the industry, including the refurbishment of decking. Working with us for several years now, Tranquil has become familiar with our product and has been responsible for multiple successful projects in collaboration with AliDeck in that time.









Close collaboration and ease-of-installation vital to achieving project success

The building performed extremely well in terms of preventing fire spread, but further changes could be made to minimise the likelihood of a fire restarting in the future. Consequently, AliDeck was entrusted with providing Tranquil with non-combustible aluminium decking and balcony components that would enhance the safety standards of the balconies.

Tranquil had several teams working across the project to ensure they remained well within the allotted time frame. To reveal the steel subframe, the existing timber decking was removed, and replaced with the AliDeck Junior Flat Boards that were prefabricated by AliDeck at our warehouse facility in Rochester, Kent.

A number of balconies required the use of our adjustable pedestal brackets and lite joist components in addition to our 20mm Junior Flat Board. This was in order to achieve the correct floor finish height and ensure a seamless aesthetic.

As most of the original timber deck boards were already fitted with a steel tray, the Tranquil team was able to complete the installation process quickly and smoothly by utilising AliDeck's ease-of-installation methods, reducing the amount of time spent on site by the installation team, keeping residents and all parties involved satisfied.

Why aluminium has proven to be the most cost-effective material and the new standard across the industry

As with all our products, the deck board used is Fire Rated to A2-s1, d0 and A2fl-s1 standards, in line with current regulations, the boards will prevent fire from being able to start or spreading across balconies.

The boards were finished in our high-quality powder coat finish, in the aesthetically pleasing Grey Beige (RAL 1019) that we supply as one of our 10 standard RAL colours. Supplied in 4m & 6m lengths, Tranquil team members distributed the replacement decking boards manually via a communal staircase, a feat made possible by aluminium's lightweight properties, which has a superior strength-to-weight ratio than its heavier counterpart, steel.

The results have proven to be terrific result for all stakeholders involved, with the leaseholders and building owner highly complementary of our products and the work by Tranquil Construction on-site. See our video below to see the project results in even more detail, with incredible views on offer across the City of London, including The Shard.

Featuring a 60-year minimum life expectancy and a 30-year manufacturer's warranty, leaseholders can now enjoy their fire-safe outdoor living environment all year round with little-to-no maintenance required outside of regular cleaning.

Case Study

DONABATE IRELAND

AliDeck Supply AliRail Plate Fix 0.74kN Aluminium Balcony Balustrade System to New-build Project in Ireland, in Partnership with Extreme Balconies.

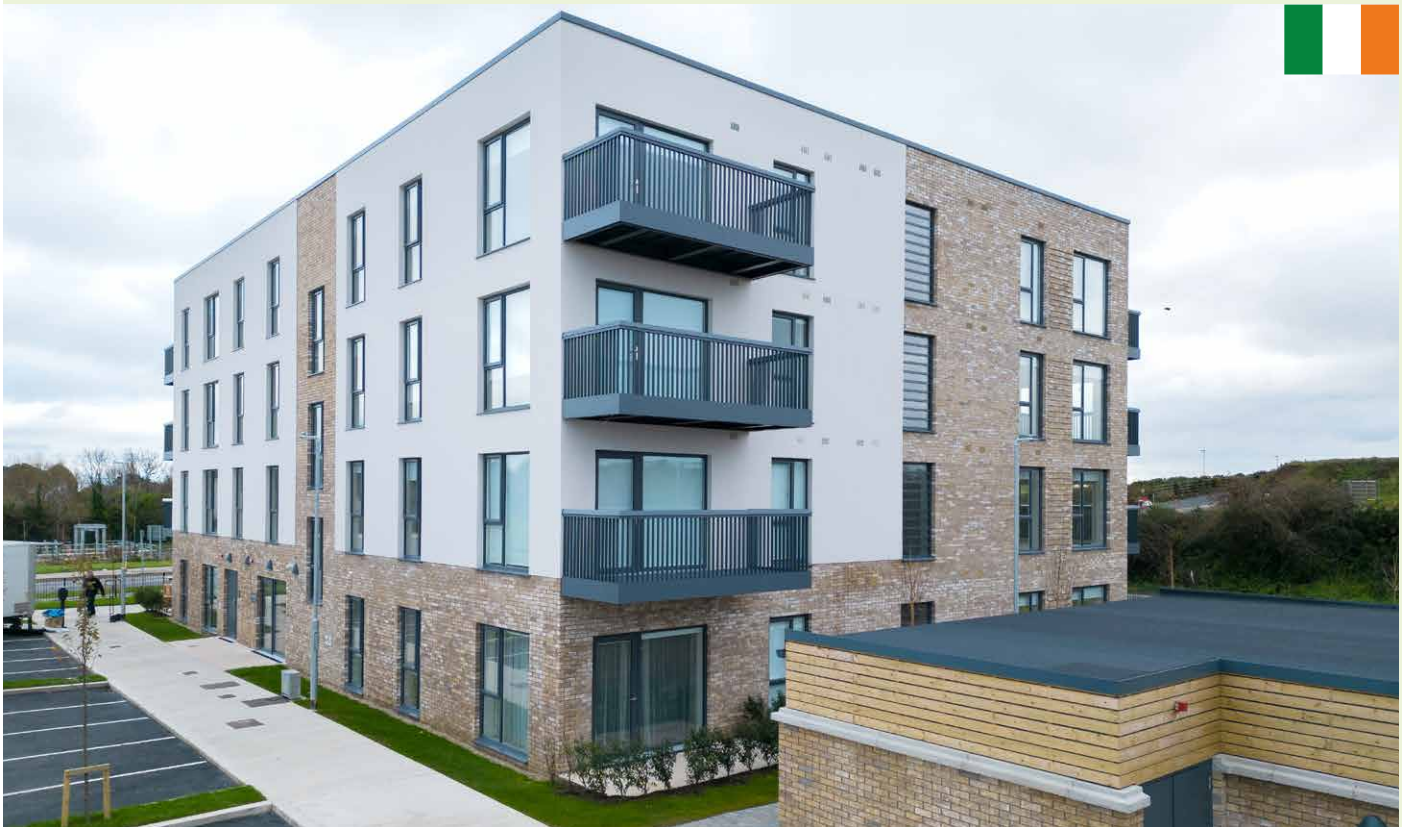
At AliDeck, we take pride in delivering comprehensive balcony solutions that adhere to the highest standards of quality and performance. Recently, we had the pleasure of collaborating with Extreme Balconies on a new-build project in Ireland. This project is a prime example of how effective collaboration and practical problem-solving can lead to outstanding results in balcony construction.

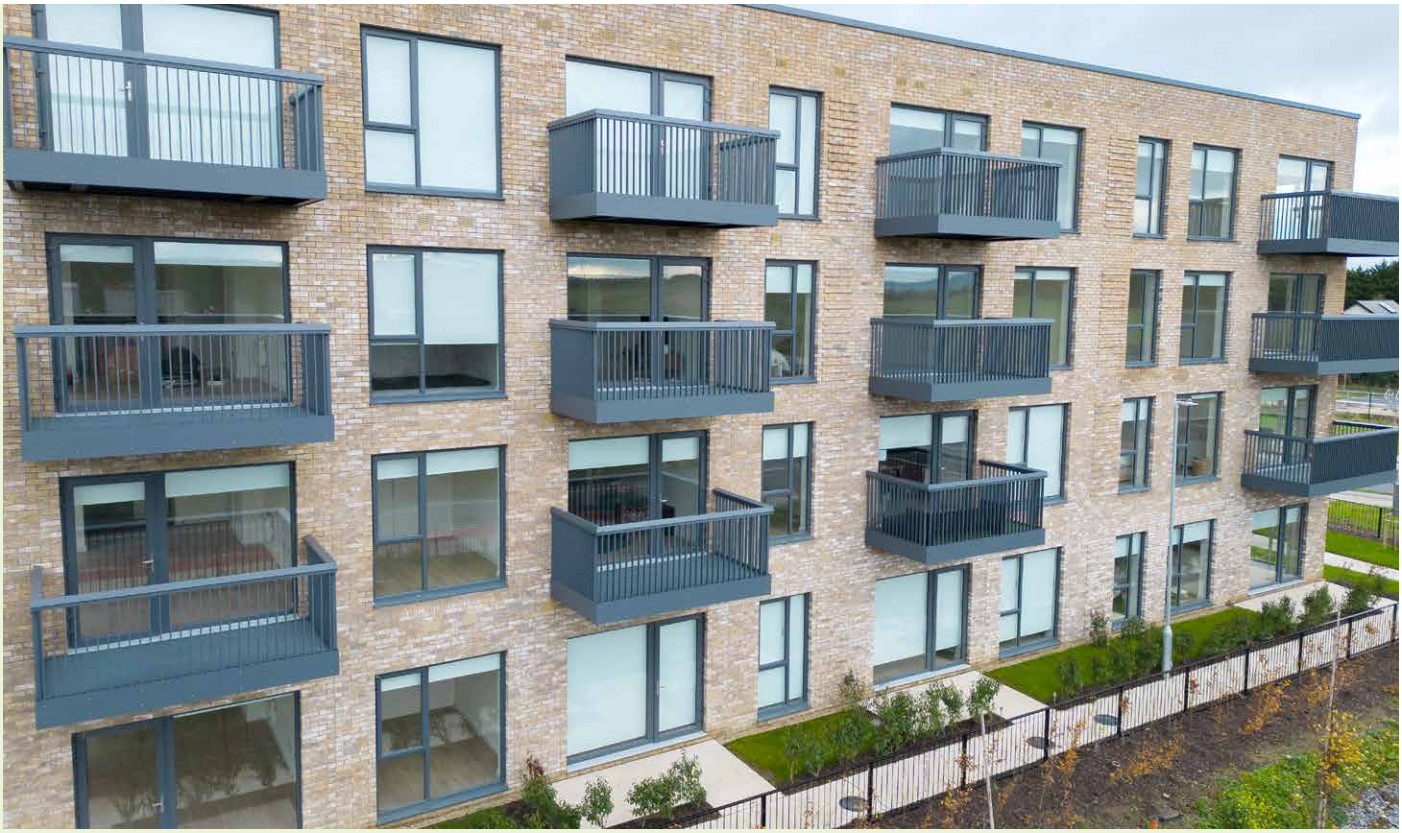
The project presented a unique set of challenges. The client required balcony balustrades that could endure Ireland's unpredictable and often severe weather conditions. Additionally, the balustrades needed to be straightforward to install and maintain, ensuring both immediate functionality and long-term satisfaction.

We supplied our AliRail Plate-Fix 0.74kN Vertical Infill balustrades to meet these specific requirements. These aluminium balustrades are exceptionally durable and weather-resistant, making them particularly suited to the Irish climate.

Their A2-s1, d0 fire resistance rating also ensures compliance with stringent fire safety regulations, providing enhanced security.







Our solution featured several key elements that were crucial in achieving the project's objectives. The modular design of the AliRail Plate-Fix system significantly streamlined the installation process, enabling the construction team to reduce both labour time and associated costs, which contributed to a more efficient project timeline.

A notable aspect of our balustrades is the application of the Qualicoat Seaside Standard, which guarantees outstanding corrosion resistance - an essential factor given Ireland's often unpredictable weather. The rigorous powder-coating process, involving a seven-stage testing procedure, further enhances durability, ensuring a long-lasting and visually appealing finish that withstands environmental wear and tear.

Moreover, our balustrades are CE accredited, a vital consideration for projects within Ireland, as it confirms compliance with European safety and quality standards. We also provided custom-sized balustrades tailored to the specific dimensions and aesthetic requirements of the balconies, which not only enhanced the visual appeal but also ensured that the balustrades precisely met functional needs.

In addition, the system was subjected to load testing to 0.74kN, ensuring full compliance with industry safety standards. This testing was essential to guarantee that the balustrades would offer reliable and robust protection for the building's occupants, reinforcing our commitment to safety and quality.

The AliRail system offers substantial long-term benefits. Its robust construction and high-quality materials ensure that the balconies will remain safe and visually appealing for many years. The fire-resistant properties and compliance with industry standards provide ongoing security and peace of mind for the building's occupants.

Our work on this project underscores AliDeck's dedication to excellence in the construction industry. By combining top-tier materials with expert craftsmanship, we delivered a balcony solution that not only met but exceeded the client's expectations. AliDeck remains committed to providing premium balustrade solutions that deliver long-term value and satisfaction.

We look forward to continuing our innovative projects and fostering strong partnerships that redefine what's possible in balcony design and construction.

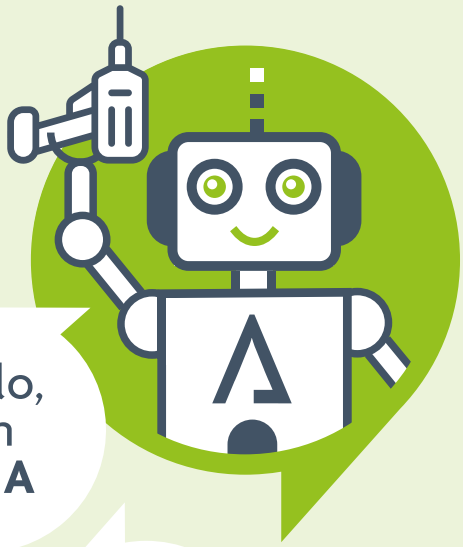
For enquiries about our range of A-rated fire-safe solutions for balconies, terraces, and walkways, contact AliDeck today at **01622 534 038** or email us via **info@alideck.co.uk**.

A notable aspect of our balustrades is the application of the Qualicoat Seaside Standard, which guarantees outstanding corrosion resistance - an essential factor given Ireland's often unpredictable weather.

EXTREME™ BALCONIES

APIA

AliDeck has introduced an innovative AI-powered tool called the AliDeck Personal Installation Assistant (A.P.I.A), designed to revolutionise customer support across projects using our products. A.P.I.A is part of AliDeck's commitment to providing comprehensive training and support, enhancing the overall customer experience with cutting-edge technology.



While APIA offers instant responses and convenience, our dedicated human support team remains integral to our service. They provide personalised assistance, ensuring a perfect balance between technological efficiency and the irreplaceable value of human interaction.



WARRANTY

AliDeck provide an up-to 30 year warranty for our entire range of Systems, 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 signed certificate and Approved Installer ID Card to confirm their attendance and completion of the training session.

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 people 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.



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**).



3D RENDERS & ANIMATIONS

We are always on hand to work closely with our customers to find the best solutions possible to any challenges they face on a project.



Through collaboration with our customers, we are able to create 3D animations and CGI renders to showcase the design, functionality, and versatile nature of our aluminium decking boards and balcony components individually or as a complete system. Not only has this allowed us to win major projects, but it supports the work of our customers to ensure project success for all involved.

Our incredible design team has been able to produce visual material that has brought initial concepts to life where required on projects, discovering unforeseen hurdles along the way, and allowing all stakeholders to agree on a new cost-effective solution without any significant loss of time, benefiting our customers as this meant they were able to achieve project completion prior to their deadline.

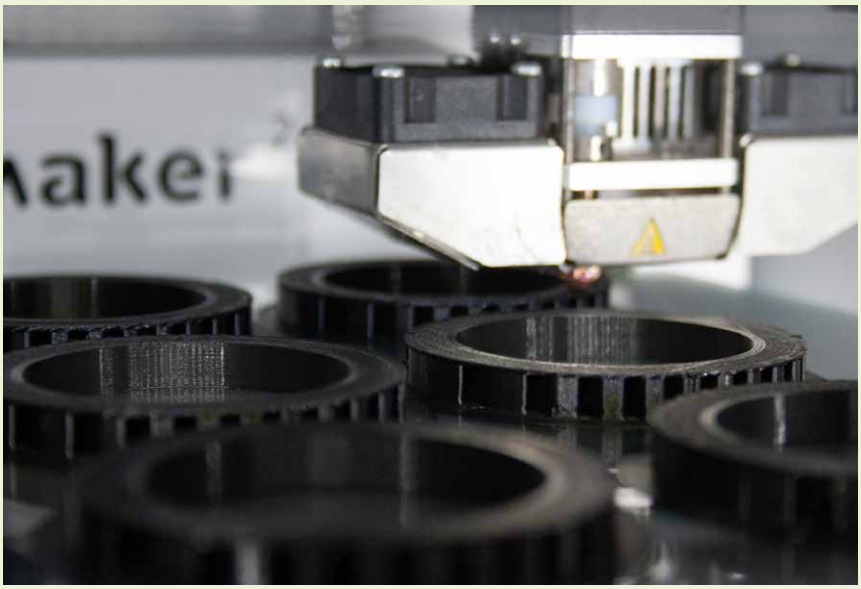
3D animations and renders can include remediation visualisation with AliDeck balcony solutions, rapid prototype iterations, project concept art, installation methods, and guides.

If you would like to discuss this with us further for an upcoming project, please do contact us and we can discuss the possible inclusion of this in the planning process.



3D PRINTING & TESTING

Rapid Product Innovation Through 3D Printing and Testing.



We have been able to establish ourselves as the market-leading UK-based manufacturer of aluminium decking and balcony components since we began our operations under the AliDeck brand back in 2019.

A large part of this success has been our dedication to product innovation and our desire to find new solutions to existing challenges within the industry.

Using our 3D Printers, we are able to rapidly develop new and innovative products that support our customers.

By creating these new prototypes and designs we are able to overcome any obstacles and find ideal solutions that meet compliance within the latest regulations.



BESPOKE SAMPLES

AliDeck Bespoke Samples For Project-Specific Requirements



AliDeck is committed to providing our customers with the right solution for their needs. With our in-house design team, our mechanical engineering skills base, and our comprehensive and versatile aluminium systems, we are able to work with our customers to ensure that, whatever the project, all bases are covered.

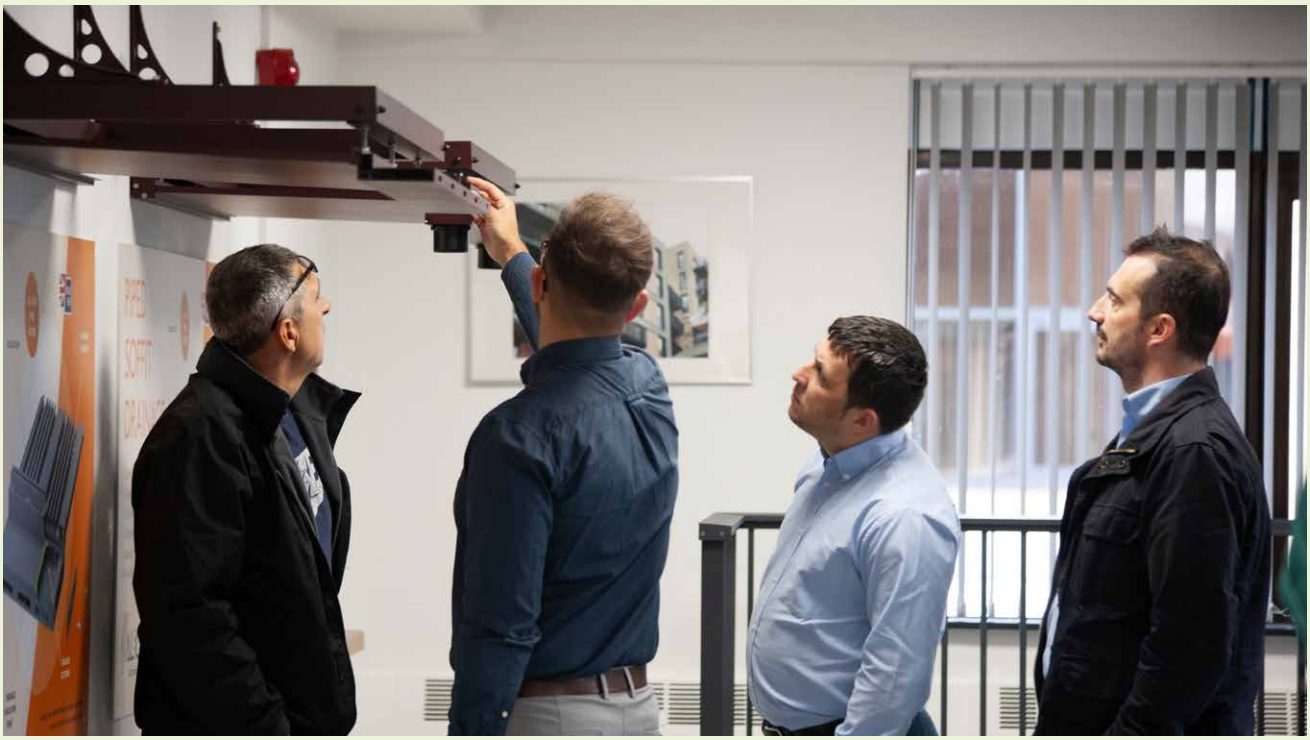
Our bespoke samples will leave our customers having instantly learned all they need to confidently place their order.

If you're working on a bespoke project and require a project specific sample, contact us today on **01622 534 042** or email **info@alideck.co.uk** to discuss your requirements with our design team.

Check out some of our previous project specific samples below or check out our website where you can find out how to request a bespoke sample.



CPD LEARNING



Ensuring Safe and Compliant Balcony Design in line with BS 8579:2020

AliDeck is committed to ensuring the safe and compliant use of our range of balcony component systems. We understand that the design and construction of balconies, terraces, and walkways is a complex process, and we want to provide our customers with the resources they need to ensure project success.

The systems we supply across all of our key brands are designed to solve the challenges that steel fabricators, balcony manufacturers, architects, and specifiers currently face. Our products are non-combustible, futureproof, and offer hassle-free installation, making them a safe and compliant choice for any balcony application.

We also offer a suite of tailored, relevant CPD Learning that our network to understand the specific issues surrounding the design and construction of balconies as stated in BS 8579:2020, and guidance from the latest NHBC Standards 2023. Our CPD Learning covers a wide range of topics, including:

- BS 8579:2020, guide to the design of balconies and terraces
- Current Legislation
- Effective Drainage Solutions
- Fire Safety
- The Pedestrian Surface

We believe that education is the key to safe and compliant balcony design. By providing our customers with the resources they need, we can help them to create balconies that are safe, durable, and aesthetically pleasing.

You can book your AliDeck CPD Learning today via our website, alternatively you can call us on **01622 235 672** or email **info@alideck.co.uk**.



CUSTOM EXTRUSION

AVAILABLE ON QUALIFYING ORDERS ONLY

Imagine achieving significant cost savings by ordering only what you require.

As we draw the curtains on this brochure, we want to leave you with a valuable insight into one of the services that sets AliDeck apart in the industry: Custom Extrusion.

Custom lengths demand precise planning, ensuring that every inch of material serves a purpose. Imagine achieving significant cost savings by ordering only what you require. Custom extrusion ensures efficient material utilisation, making your project budget-friendly and eco-conscious.

We understand that sometimes you need a little extra support. That's why you can always order spare standard lengths alongside your custom extrusion to accommodate angle cuts, radius cuts, or other intricate installation requirements.

To learn more about our Custom Extrusion service and how it can elevate your project, contact our team today. We're here to provide the tools and expertise you need to bring your vision to life.





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 67% 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



AliDeck is dedicated to providing our customers with second-to-none support, from first enquiry through to delivery and beyond. We want to ensure that you get the absolute maximum value and satisfaction from your investment in our range.

We have prepared some detailed customer support material, which is available for download on our website, to help you understand all aspects of your purchased material so that the installation goes as smoothly as possible, and the proper maintenance and care of the systems are implemented.

Please do not hesitate to get in touch with us should you require further support, including site visits, in-house installation training, free-of-charge sample requests covering our whole range of products, and our in-house marketing team on hand to assist you with any needs.



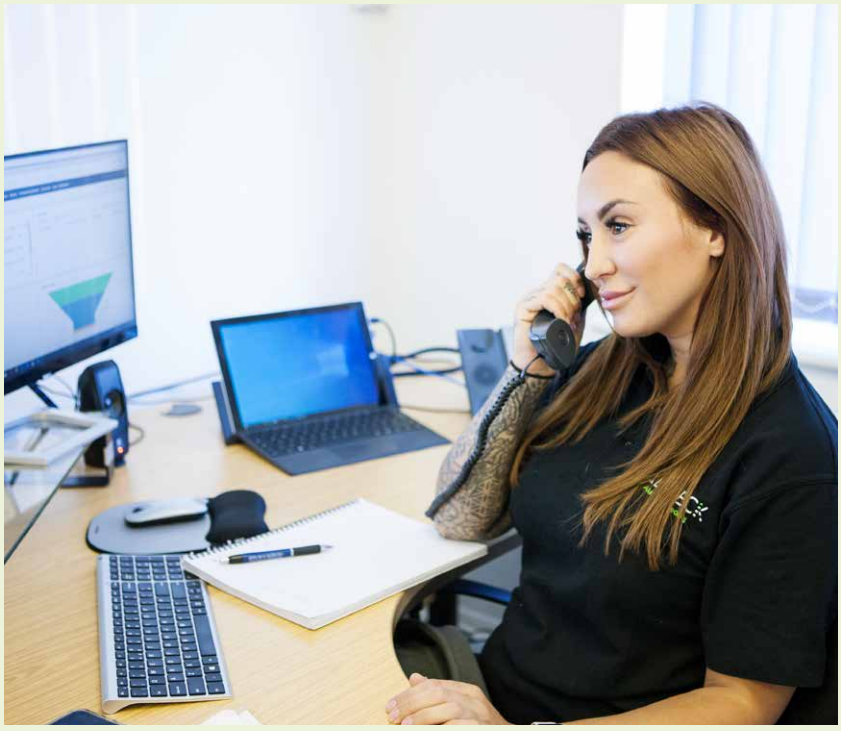
We take great pride in our after-sales customer support, ensuring every query is addressed promptly and effectively, guaranteeing your satisfaction and trust in our services long after your project.

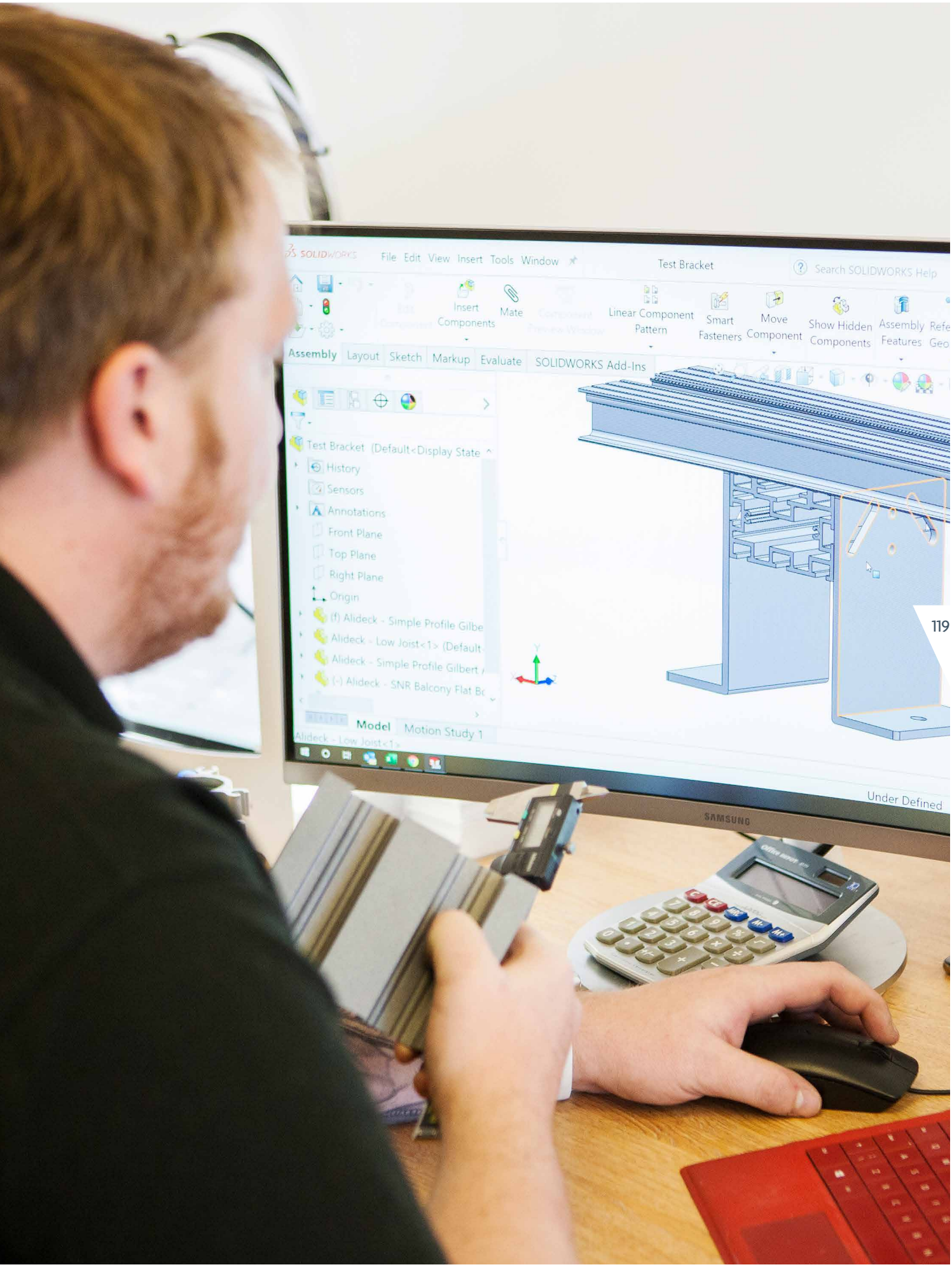
Request a meeting with us...

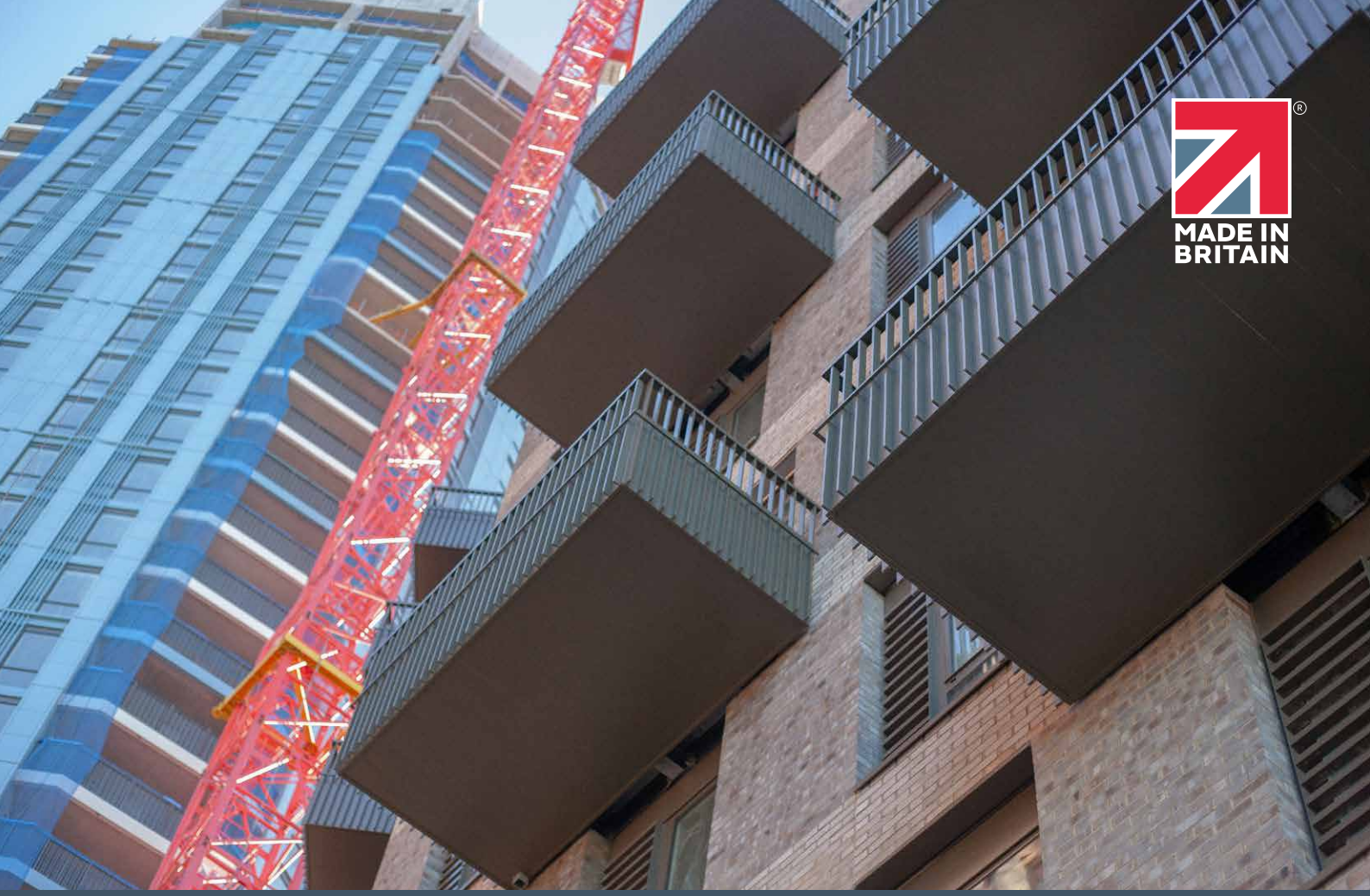
We are always happy to welcome our customers and Approved Installers to join us at our headquarters and warehouse facility in Rochester, Kent. Here we are able to host meetings, product training sessions, and site tours along with a complimentary lunch on us.

Furthermore, our field sales team is always available to visit you on-site or at your head office to discuss any potential support requirements you may have.

We can also provide you with technical product reviews and CPD's such as product training videos that offer you a presentation of our products and services.




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Test Bracket
Search SOLIDWORKS Help
Insert Components
Mate
Linear Component Pattern
Smart Fasteners
Move Component
Show Hidden Components
Assembly Features
Assembly
Layout
Sketch
Markup
Evaluate
SOLIDWORKS Add-Ins
Test Bracket (Default<Display State
History
Sensors
Annotations
Front Plane
Top Plane
Right Plane
Origin
Model
Motion Study 1
Under Defined
SAMSUNG



MADE IN BRITAIN

ALIDECK™ Aluminium Decking

ALIDRAIN Aluminium Drainage

ALICLAD Soffit & Cladding

ALIRAIL Modular Balustrades

A-FENCE Aluminium Fencing

The Original, A-Rated, Quick Fit, Complete Balcony Component System from AliDeck

Europa & Jenner House
Victory Park, 1-2 Trident Close
Medway City Estate
Rochester ME2 4ER

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

SCAN ME

PROJECT SUCCESS BUILT-IN

NBS

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bsi. | Membership December 2021–November 2022