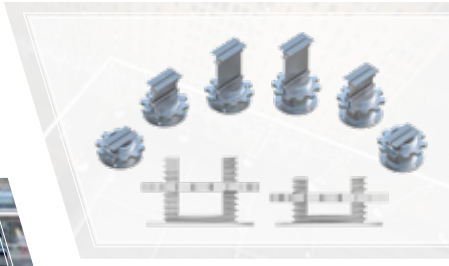
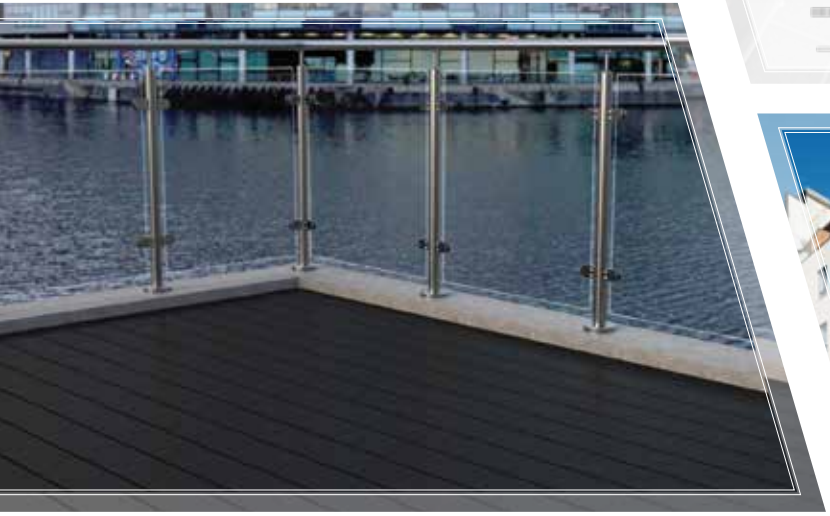
BRUNDLE



SYNERGISED™

INNOVATIVE DECKING SOLUTIONS







WORKING WITH ALUMINIUM

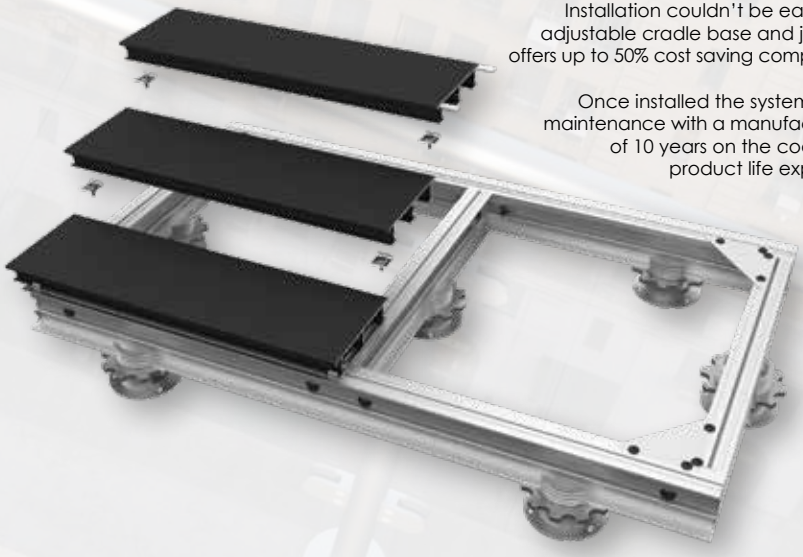
DESIGNED IN THE UNITED KINGDOM

Synergised™ Deck Boards for Balconies and Terraces

Fully non-combustible fire rated A1 and A2fl-s1 aluminium decking system designed for both residential and commercial environments such as high-rise balconies, walkways, roof terraces, pubs, gardens and all other high-rise applications and public areas.

Available in 3 contemporary colours our deck boards are manufactured from structural grade 6063 T6 aluminium with 100 micron Qualicoat™ premium powder coating, making it the ideal decking solution for high footfall areas. The premium coating is low slip and provides low surface temperatures underfoot.





Installation couldn't be easier, with our innovative adjustable cradle base and joist support system that offers up to 50% cost saving compared to other solutions.

Once installed the system is long lasting and low maintenance with a manufacturer's limited warranty of 10 years on the coating with an expected product life expectancy 25 years plus.

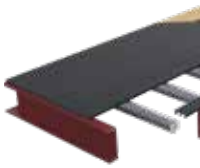
Easy to cut

- **Euroclass Classifications A1 and A2fl-s1 fire rated**
- **Made from structural grade 6063 T6 aluminium**
- **Ideal for high rise concrete balconies & terraces**
- **Up to 50% cost saving compared to other systems**
- **100 micron Qualicoat™ premium powder coating**
- **Adjustable cradle and deck support system**
- **Low surface temperatures**
- **Long lasting and low maintenance**
- **Cradle spacing up to 1800mm with 120mm joist**
- **Lightweight and easy to install**
- **Mill finish subframes and cradles**
- **10 year warranty on powder coating**

Concrete balcony and terrace



By providing substantial height adjustment with 2 joist cradles and 3 joist heights, the support system was designed to make installation easier where there are height build ups on balconies and terraces.



Why choose aluminium boards?



When choosing a new or replacement deck, there will be several factors that influence your decision particularly the application and whether you require fire rated performance. Synergised is an innovative new aluminium deck system where the deck boards, subframe and adjustable cradles have been designed to replace non-fire rated products to provide peace of mind. The system offers unsurpassed durability and longevity, using 6063 T6 aluminium, 100 micron Qualicoat™ premium powder coating and mill finish.

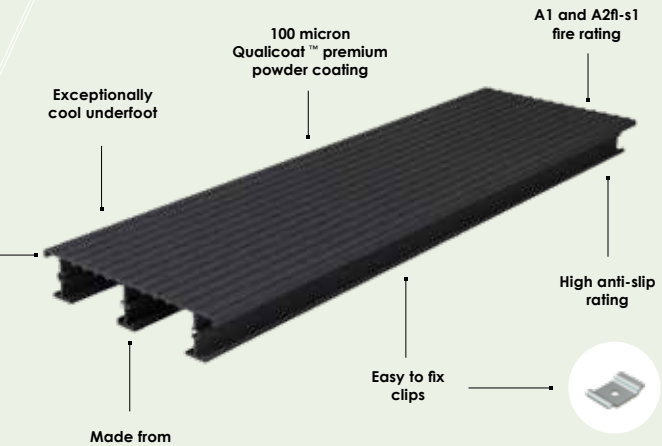
Fire Rating

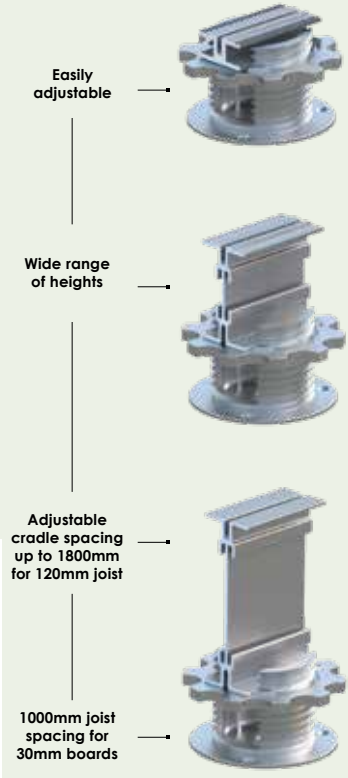
Synergised meets the requirements for any application that requires Euroclass Classifications A1 and A2fl-s1 fire rating, such as residential and mixed-use developments above 4 storeys, plus schools, universities, hospitals, libraries and care homes, as well as new or replacement decks on balconies that are above 11m in height.





Key features of the Synergised deck system



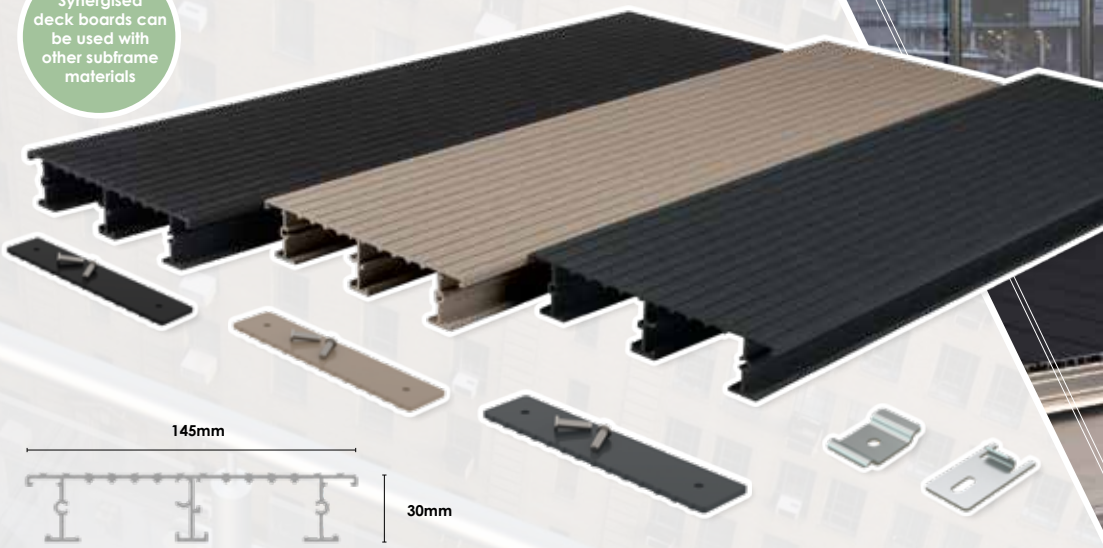


Timber replacement



System flexibility ensures that whatever timber decking is being replaced, our adjustable cradles and subframe are simple to work with and achieve that perfect solution with steelwork.

Synergised deck boards can be used with other subframe materials



Synergised Deck Board

FREE SAMPLES AVAILABLE

Synergised high performance outdoor aluminium deck keeps looking great year after year. Enjoy the value of owning a deck with virtually no annual maintenance costs.

Available in 3 designer colours of Anthracite, Black and Serengeti Sand. The Qualicoat™ premium powder coat finish provides an extremely strong, UV stable surface finish. With excellent colour retention characteristics, Qualicoat™ premium powder coat ensures there are no before and after colour changes or fading, typically experienced with other deck products. The surface is comfortable on your feet, stays cool in the hot sun, is slip-resistant for added safety and security.

The hidden fastening system correctly spaces the decking boards for a consistent 5mm gap and easy installation.

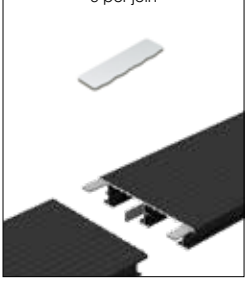
Features include:

- **3 colours - Anthracite, Black & Serengeti Sand**
- **100 micron Qualicoat™ premium powder coating**
- **Low maintenance & easy to install**
- **Anti-slip**
- **UV resistant**
- **100% recyclable**
- **Low surface temperature**
- **End caps for a neat finish**
- **Matching deck trims available**
- **5mm board spacing**
- **Lightweight and easy to handle**
- **Available in 3600mm lengths**

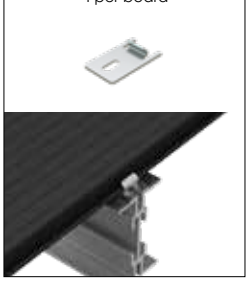
End Cap



Deck Joining Plate
3 per join



Starter Clip
4 per board



Double Clip
4 per board





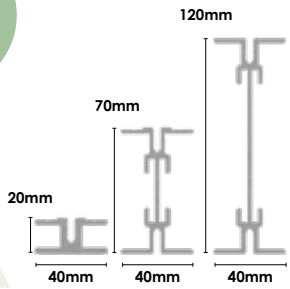
Synergised Subframe

A high performing subframe which is a long-lasting and durable alternative to timber.

The 20mm joist height allows for the ultra-low profile applications.

The aluminium joists are easy to cut, lightweight to handle and allow for quick and easy deck building.

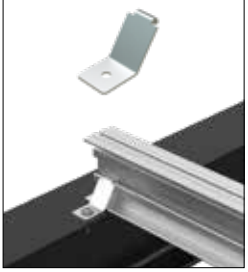
Synergised subframe can be used with other deck materials.



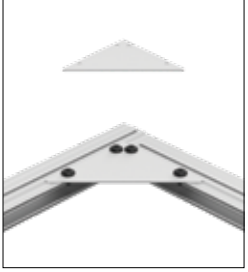
Features include:

- **Available in 3 heights**
- **3600mm lengths**
- **Easy to cut**
- **Lightweight**
- **Quick to assemble**
- **1000mm joist spacing for 30mm boards**
- **Mill finish**
- **Cradle spacing up to 1800mm with 120mm joist**

Joist Mounting Clip
To suit 70 & 120mm joist profile



Corner Brace
To suit 20 & 70mm joist profile



90° Bracket
To suit 70mm joist profile



90° Bracket
To suit 120mm joist profile



Synergised Aluminium Adjustable Cradle

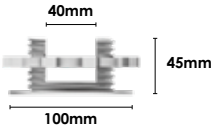


These adjustable cradles are simple to install, with height adjustments ranging from 45 to 180mm, when combined with our joist profiles will ensure your deck is at the correct angle. Our innovative cradle base and joist support system offer up to 50% cost saving compared to other solutions.

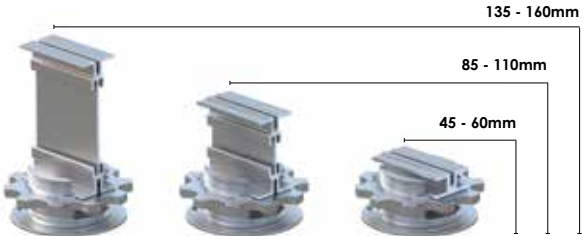
The adjustable cradle has been designed by industry professionals to comply with Eurocode 1: Actions on Structures (BS EN 1991-1-1). The system has been assessed for point loading in relation to both domestic and commercial use, making it suitable for a range of applications.

45mm Adjustable Cradle



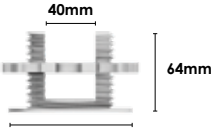


Minimum - Maximum Height

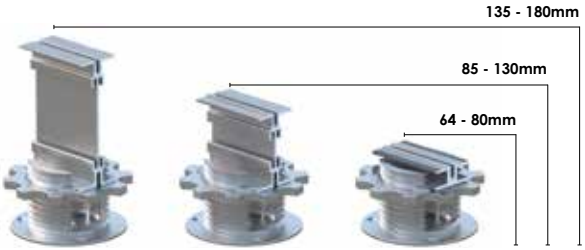


64mm Adjustable Cradle





Minimum - Maximum Height



Features include:

- **Easy to install**
- **Fully adjustable from 45 to 180mm**
- **Lightweight and easy to handle**
- **Mill finish**



Synergised adjustable cradles can be used with other subframe materials

Technical Specification

Aluminium Decking

- **Anti-slip pendulum test to BS7976-2 dry and wet**
- **Reaction to fire performance (A1 and A2fl-s1) in accordance to EN 13823, EN 13501 and EN ISO 1716**

Tested for commercial applications

5kN/m2 Distributed Load @ 1/480 Deflection Criteria.

Description	Cradle Support Spacing (mm)
120mm joist	1800
70mm joist	1100
20mm joist	500

Description	Joist Spacing (mm)
30mm board	1000

Deck board temperature comparison chart

Ambient temperature 31° Celsius.

Description	Max Temperature °Celsius
30mm Aluminium Serengeti Sand	43
30mm Aluminium Anthracite	49
30mm Aluminium Black	50
23mm Cedar hollow composite	54
23mm Anthracite hollow composite	55
23mm Grey hollow composite	55
38mm Cedar stained softwood	57

Tested with handheld infrared thermometer in direct sunlight.

Pendulum test results

Dry test

Sample Code	Mean Resistance Operator 1	Mean Resistance Operator 2
1	65	63
Product mean	64	
Product minimum	63	
Product maximum	65	
Standard deviation	1	

Wet test

Sample Code	Mean Resistance Operator 1	Mean Resistance Operator 2
1	50	48
Product mean	49	
Product minimum	48	
Product maximum	50	
Standard deviation	1	



Fireproof



Stainproof



Easy to clean



Scratchproof



UV Resistant



Withstands sudden temperature change

FULL TECHNICAL INFORMATION ON OUR SYNERGISED™ RANGE IS AVAILABLE ONLINE.









SYNERGISED™

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