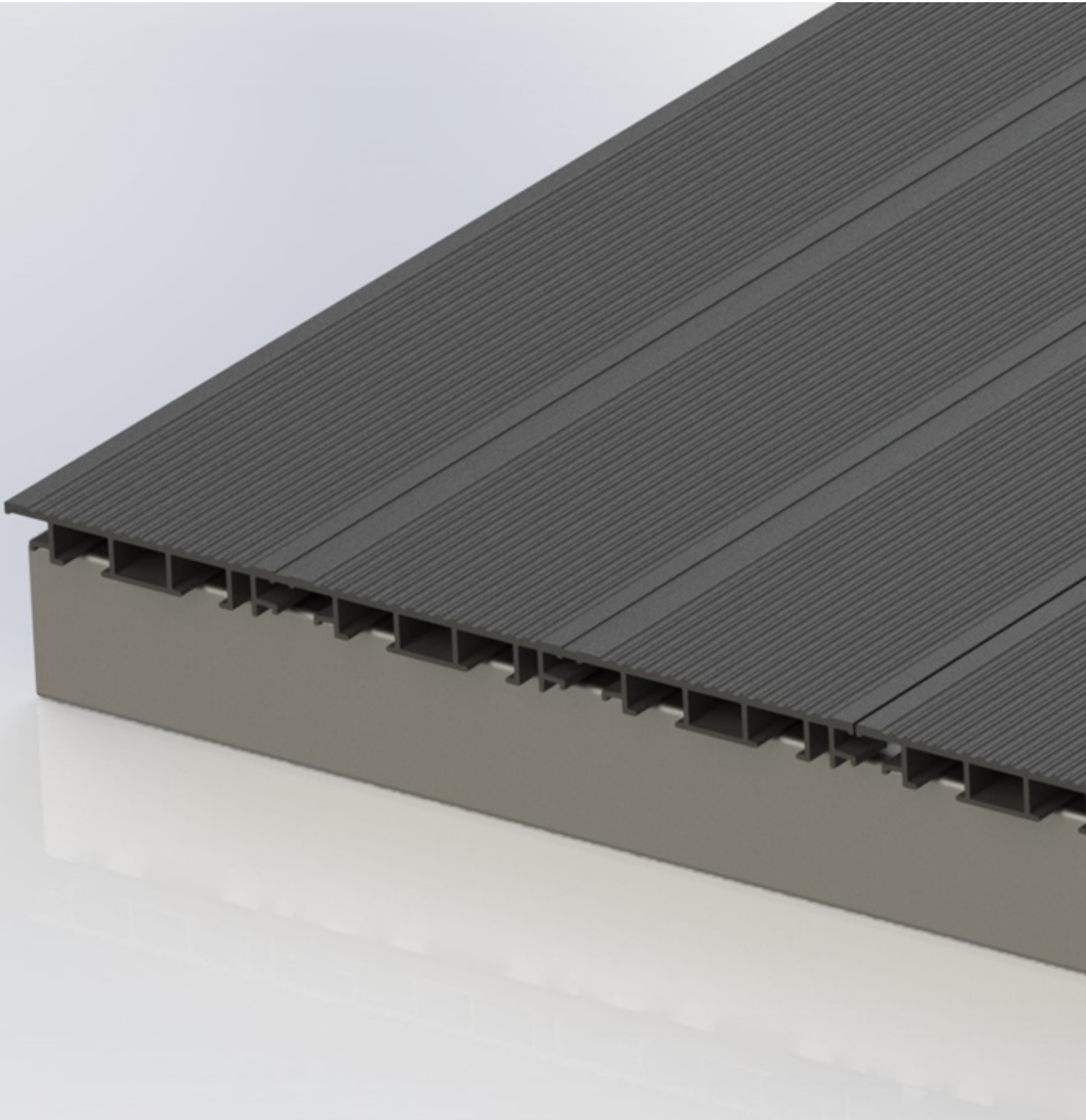


A1phadeck

AA2 Decking System



Approved Building Products Limited

3rd Floor,
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Tel: 0808 1961798

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A1phadeck

AA2 295mm Planks – 15.75mm

A1phadeck Decking System - AA2 – 295mm Plank
Technical Datasheet

A1phadeck AA2 Datasheet

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Overview

A1phadeck AA2 is a high performance, non-combustible decking system designed for an easy and quick install in a wide range of applications

Applications

A1phadeck can be installed on balconies (bolt-on or concrete), terraces and podiums, walkways and patios

Features

- Fire resistance – Rated to A2-s1, d0
- Durable and long lasting
- System allows for drainage by design
- Slip resistant design with a slip resistant coating
- Ease and Speed of installation
- Little or no maintenance required
- 5 standard colours plus numerous design colour options. (Minimum batches to design colours may be required)

Installation

Our system is designed with easy and fast installation in mind. Our specially designed secret clip fixing cannot be seen once installed and allows for a faster installation technique than many other systems. The units are staggered in the design, so the clips are covered.

The system can be installed to a pre-installed steel structure or to A1phadeck's support system with self-drilling screws

Construction

Our boards are constructed from 100% aeronautical grade aluminium which is 100% recyclable

Finish

Polyester Powder Coating – 80micron slip-resistant finish

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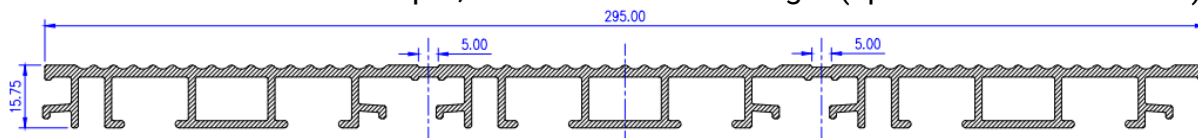


A1phadeck

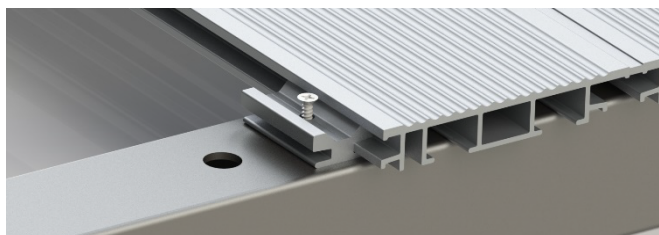
AA2 295mm Planks – 15.75mm

Dimensions

295mm width x 15.75mm depth, 4000mm standard length (up to 6000mm available)

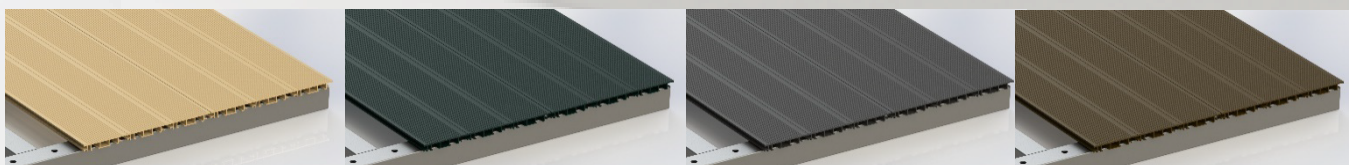


Our sub-structure design (the elements below the trafficable area) offers greater strength when compared to other systems on the market. This allows for a lower profile without losing strength which in turn benefits terrace applications with a lower threshold requirement and can offer greater thermal benefits to be achieved at design stages.



Colour Range

Our systems are available in a variety of RAL colours, for our full colour range of non-slip and textured powder coatings get in touch with us or visit our website at www.approvedbuildingproducts.co.uk



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Maintenance

General dirt and grime can be removed with a damp or lint free cloth or with a mop with warm soapy water.

Qualicoat

Qualicoat is the main Internationally recognised specification for the production and application of high-quality coatings on aluminium and its alloys for architectural applications. The standard covers over twenty different tests mostly to ISO or EN standards, covering:

- The visual appearance and gloss quality of the coating
- The adhesion of the coating under physical tests where the aluminium substrate is bent, dented, and heated
- The coating thickness
- The adhesion of the coating under industrial pollution and accelerated weathering tests
- The reaction of the coating to mortar, boiling water and how well it reacts when being worked with tools

By meeting the Qualicoat specification, A1phadeck AA2's coating will be of consistently high quality, rigorously tested and sampled during the production process for its appearance, consistency, adhesion and durability against weathering and pollutants.

Storage and Handling

Our decking is packaged with layered protection to protect against scratching and contamination and is supplied with appropriate support using stillages or pallets. Ensure that this level of protection is maintained until installation including support along the length of the profiles.

Improper storage may lead to damage that falls outside the warranty cover.

Warranty

Our decking system is supplied with a 30-year warranty against splitting, cracking, warping, splintering, twisting and material or manufacturing defects.

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Performance – 15.75mm Board

Quality Test	Test Standard	Value
Reaction to Fire	BS EN 13501-1:2018	A2-s1,d0
Slip resistance - Wet	BS7976 -2 Pendulum Slip Test	44 PTV
Slip resistance - Dry	BS7976 -2 Pendulum Slip Test	72 PTV
Linear Mass	N/A	3.615 kg/m
Coefficient of thermal expansion	N/A	0.0234mm/m/°C
Deflection – 1.4kN at 600mm span	BS8579:2020	2.47mm
Deflection – 2kN at 600mm span	BS8579:2020	3.36mm
Deflection – 3kN at 600mm span	BS8579:2020	4.92mm
Cantilever– 1.4kN at 100mm span	BS8579:2020	1.87mm
Cantilever– 2kN at 100mm span	BS8579:2020	2.60mm
Cantilever– 3kN at 100mm span	BS8579:2020	4.43mm
Maximum Force	EN310	>10 kN
Coating Durability	N/A	Qualicoat Specification
Coating Adhesion	ISO 2409 (2mm crosshatch)	Gt0
Impact resistance	ISO 6272:1993	Pass
Accelerated Weathering	ISO16474-2 (1000 hrs)	Gloss retention ≥50%
Biomechanical Accelerated wear test	SATRA TM391:2016	'Very Slight' at 50K 'Slight' at 100K

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Simple and quick installation



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Balconies, terraces and podiums, walkways and patios

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