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Slip Resistant Ali-Deck Technical Specification

Size:

Each Individual Plank:

Length: 6 meters

Width: 120mm

Depth: 30mm

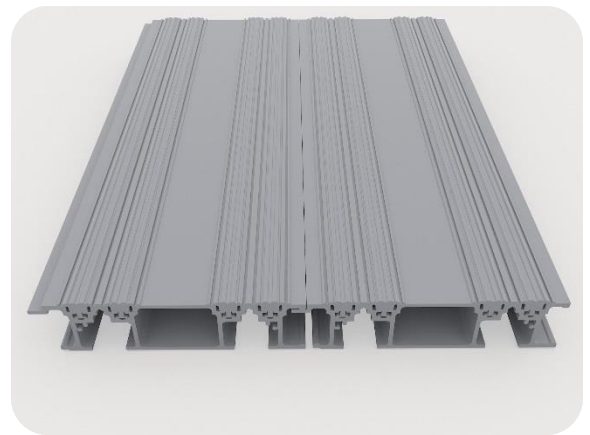
Possible Decking Area:

Unlimited

Construction:

Main Frame

Each Ali-Deck plank is made completely from aluminium with durable rubber/composite inserts to create the slip resistant feature.



Finishing:

The planks are coloured using the Qualicoat powder coating finish. Qualicoat is a quality label organisation committed to maintaining and promoting the quality of coating on aluminium and its alloys for architectural applications.

Low Maintenance

Due to the fact that Ali-Deck is aluminium and finished using the 5 stage Qualicoat system, little or no maintenance is required. All you need to do is remove any dirt or grime with a damp, lint free cloth and soapy water then wipe dry.

Recyclable

The planks are made from recycled aluminium and they can all be recycled in the future too.

Quick Installation

Ali-Deck is 50% quicker to install than traditional decking systems, meaning less time on site, causing you less disruption.

Slip Resistant Ali-Deck Spec Sheet v1.2 lu150219

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Fire Testing

We understand that the fire rating is extremely important to all our clients, and can confirm the following:

Our Ali-Deck products are Class A1 fire rated if no finish is chosen, or A2L-s1, d0 if a powder coating finish is chosen.

The Ali-Deck Standard Board, Slip Resistant Board and the Supa-Joist

Aluminium in Building:

Aluminium alloy components used in building complies as follows. As defined by BS 476: Part 4 and the 1974 SOLAS Convention (as amended) aluminium alloys are 'non-combustible' and provide Class 1 surface spread of flame to BS 476: Part 7. In addition, BS 476: Part 3 covers external fire exposure roof tests and the classifications laid down in the standard range from AA to DD. The first letter refers to the fire penetration performance and the second letter to the surface spread of flame. Aluminium and its alloys are rated AA, the highest possible under this classification system. Materials are also tested for fire propagation performance to BS 476: Part 6 (1989) and coating systems are considered. Aluminium achieves excellent ratings under this Standard.

Qualicoat Powder Coat Process 1. BS476

British Standard 476 refers to fire tests on building materials and structures. The parts of this standard that are of most relevance to powder coatings are Parts 6 and 7.

Part 6 - Fire Propagation

The result of this test is a fire propagation index. It is a measure of the contribution to fire growth made by an essentially flat surface. The results of the test are specific to the test specimen i.e. the product on that substrate in the form in which it was tested. Therefore, it cannot be used as a method for assessing the product in all situations.

Part 7 - Surface Spread of Flame

This is a method of measuring flame spread along the surface of a specimen. Again, the results of the test are specific to the test specimen i.e. the product on that particular substrate in the form in which it was tested. Therefore, it cannot be used as a method for assessing the product in all situations.

As defined in the UK Building Regulations 2000 - Fire Safety Approved Document B, the highest product performance classification for wall or ceiling linings is Class 0. This is achieved if a material;

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(a) Achieves a class 1 rating in BS476 Part 7, and (b) Achieves a fire propagation index of not more than 12 and sub-index of not more than 6 in BS476 Part 6.

Test Results

Interpon D1000 series and D2000 Series have been tested to BS476 Parts 6 and 7 and have met the criteria for Class 0 building regulation approval.

Quaicoat Powder Coat Process 1. BS476 - London Underground Approval

Approval for use in London Underground is a good indicator of fire safety. The product must be tested for:

- Smoke Emission
- Toxic Fume Emission
- Qualitative analysis (what is emitted)
- Quantitative analysis (how much is emitted)
- Flammability
- Fire propagation
- Surface spread of flame

Ali-Deck Slip Resistant Inserts are made from PVC Polymers, they are generally referred to as “Self-Extinguishing” which means that they will burn whilst a high enough heat source of flame is applied to them but once removed they stop burning.

Warranty:

Ali-Deck is supplied with a warranty of 10 years from the date of installation against UV degradation. It also has a warranty of 10 years against corrosion.

Colour Options:

The planks are available in Textured Sand and Textured Silver Grey.

Available Upgrades:

- Integrated lighting
- Joist to leg brackets
- Ali-Deck end plates

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