AliDeck

# MICRO JOIST

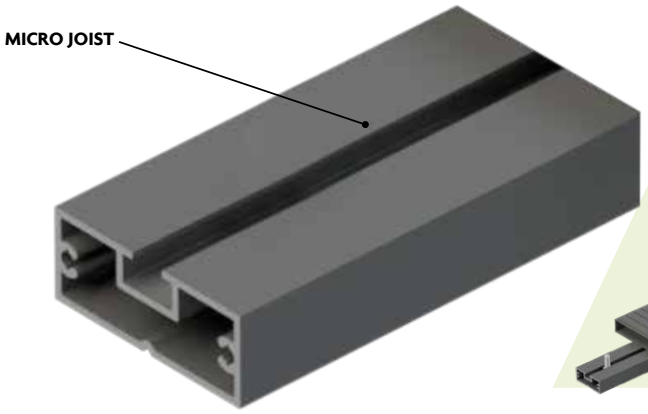
MADE IN BRITAIN

Specification Datasheet

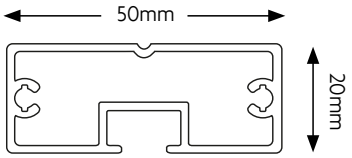
The **AliDeck Micro Joist** is our cost-effective, ultra-low-profile support bearer, specifically designed for installations that require the lowest build-up.

With a 20mm profile height, the Micro Joist provides great versatility for projects with limited build-up heights, while allowing a maximum recommended span of 300mm.

**A2-s1, d0 FIRE RATED**



## Dimensions




## Benefits include:

- Ultra Low 20mm Profile Height
- Also available in mill finish (A1)
- Fire Rated: A2-s1, d0 (powder test only)
- All aluminium
- Quick and easy to install
- Low maintenance
- Recyclable
- Stable in all weather conditions

**The Micro Joist is 0.719 Kg per metre**

**SUPPORTING BRACKETS:**

Micro Joist Bracket

All AliDeck Joists have been independently tested for fire performance to BS EN 13823, BS EN 13501, and BS EN ISO 1716; for slip-resistance to BS 7976 Part 2; for wear-resistance to SATRA TM391; for loading performance to BS 6180; for deflection performance to BS 8118, BS 6399, and BS 1991.

ALiDECK™
Aluminium Decking

# Product Specification

- Fire resistant: A2-s1, d0 and A1 when mill finished
- Coating thickness - 60-80 microns
- Impact test - with an energy of 2.5kN to ensure that the coating adheres to the substrate to EN ISO 6272 / ASTM D2794
- Bend test - on 5mm mandrel to ensure adhesion after bending to EN ISO 1519
- Machu Test (accelerated corrosion test) - in a solution made up of sodium chloride acetic acid and hydrogen peroxide at 37 degrees °C Duration 48 hours
- Qualicoat 2.4.1. - cross hatch cuts are made at 2mm spacings with one being at 90 degrees to the other cut, tape is the applied left for 2 minutes and removed to check for adhesion of paint (EN ISO 2409 2013)
- Qualicoat 2.18 - sawing and drilling test to ensure no flaking after cutting (using sharp tools)
- Acid salt spray test - ISO 9227
- EN ISO 3231 - Resistance to humid atmospheres containing Sulphur Dioxide
- EN ISO 11341 - Accelerated weathering test
- EN ISO 20810 - Natural weathering test (Florida Test) (Carried out on Powder Type)
- EN ISO 12206-1 - Resistance to mortar (Carried out on powder type)
- EN ISO 6270 – 2 - Constant climate condensation water test.
- Choice of colours - Available in a wide range of RAL colours.

## Protective Finish

AliDeck Joists are finished using the seven-stage pre-treatment Qualicoat Standard. Qualicoat is a quality label organisation committed to maintaining and promoting the quality of coating on aluminium and its alloys for architectural applications.

## Decking Joist Spans

**All of our spanning criteria has been based on the standards of EN 1991-1-1-1:2002 "Actions on Structures".**

**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.

## Construction

All AliDeck Joists are constructed from 100% aluminium (6063 T6 grade), up to 67% of which has been recycled to make these products eco-friendly.

## Maintenance

Due to the fact that all AliDeck products are Aluminium and finished using the 7 stage Qualicoat system when powder coated, little or no maintenance is required.

## Colour Options

AliDeck Boards and Joists are available in **10 standard colours**. Please refer to our Standard Colour Range datasheet for colour options (available at **www.alideck.co.uk/decking/boards/alideck-colours/**).

Non-standard colours are available on request as special orders, but may affect cost and lead-time. The Boards and Joists can be supplied non-coated/mill finish to achieve A1 fire rating.

## Warranty

The Micro Joist is supplied with a **30 year warranty** against splitting, cracking, warping, splintering, rotting, twisting and material or manufacturing defects. It has a minimum **60 year life** expectancy.

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

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