

ARP

ECO 50 JOIST

MADE IN
BRITAIN

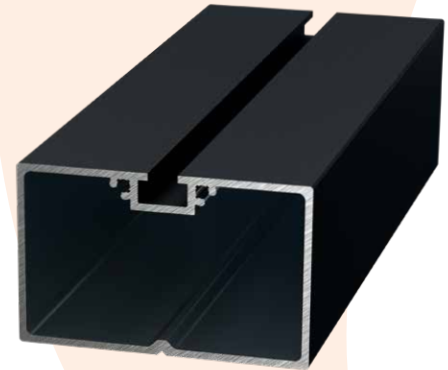
Specification Datasheet

The **ARP Eco 50 Joist** is a versatile solution designed for a range of outdoor projects.

Whether you're building a deck, patio, or terrace, this joist provides a strong and reliable foundation. It's perfect for installations on concrete, steel, or any outdoor surface where height adjustment is needed.

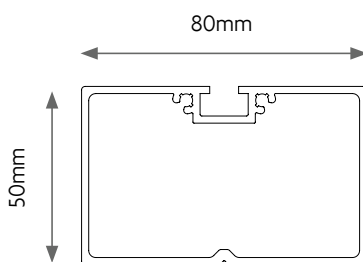
A2-s1, d0
A2fl-s1
FIRE
RATED

ECO 50 JOIST



ADJUSTABLE PEDESTAL
BRACKET WITH CARRIER

Dimensions



Benefits include:

- Increased span capabilities against timber or composite
- Fire Rated: A2-s1, d0 and A2fl-s1
- All aluminium
- Quick and easy to install
- Low maintenance
- Recyclable
- Stable in all weather conditions

The Eco 50 Joist is 1.576 Kg per metre

All ARP Joists have been independently tested for Fire performance for flooring, walls, and ceilings to BS EN 13501 (BS EN 13823, and BS EN ISO 1716). Also tested for Slip-resistance to BS 7976 Part 2; Wear-resistance to SATRA TM391. Loading performance to BS 6180; Deflection performance to BS 8118, BS 6399, and BS 1991.

ARP
A-RATED PRODUCTS

Product Specification

- Fire resistant: A2-s1, d0 and A2fl-s1, A1 when mill finished
- Coating thickness - 60-80 microns
- Impact test - with an energy of 2.5KJ 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 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.

Protective Finish

ARP 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 1991-1-1:2002 “Actions on Structures”.

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.

Construction

ARP joists are constructed completely from 100% aluminium (6063 T6 grade), up to 67% of which has been recycled to make these joists eco-friendly and much better for the environment.

Maintenance

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

Colour Options

The ARP Joists are available in 1 standard colour - RAL 9005 Jet Black.



Warranty

The Eco 50 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.



INCREASED SPAN CAPABILITIES AGAINST TIMBER OR COMPOSITE OPTIONS BY OVER 200%



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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