

AliBat (by Nu-Wall) Structural Cavity Batten – General Information

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Introduction

AliBat is an extruded aluminium profile which has been designed to meet the requisite specifications for a non-combustible structural cavity batten. AliBat can be used to form a 20mm drained and vented cavity while simultaneously offering a structural fixing for exterior cladding. AliBat is categorised as being non-combustible so may be specified for use as part of a non-combustible exterior cladding system as defined by NZBC Clause C3. AliBat is supplied either in mill-finish (no surface-finish applied) or pre-finished with an oven-baked powdercoat.

Physical details

AliBat is extruded from 6061-T6 aluminium alloy with a general wall thickness of 1.50mm; the main face increased to 2.25mm for fixing of cladding. AliBat weighs approximately 0.47Kg / metre and is supplied in 5.80M lengths. The batten is prefabricated to provide a pair of 10-gauge countersunk holes at 100mm centres to facilitate fixing to the main building structure.

AliBat as a structural element

AliBat was incorporated into test panels clad with Nu-Wall Mono200 which have been subjected to face-load testing by BRANZ Structural Engineers. Testing verified the suitability of AliBat for such use up to design differential wind pressures of 6.09kPa. Details of the test procedures and results are documented in BRANZ Report No. ST1234-001-01, copy of which is available on request. Specifications are available for installation of the batten over a range of substrate structures in either horizontal or vertical orientation to suit the requirements of a project.

Cladding applications

AliBat is suitable for use fixed either vertically (with horizontal cladding) or horizontally (with vertical cladding).. Though primarily developed for use with Nu-Wall Aluminium Cladding, AliBat may also be used with other cladding products; in such cases the specifications for fixing the cladding to the batten will need to be provided by the cladding product's manufacturer.

Powdercoat finishes

AliBat is stocked in mill-finish, though alternatively may be supplied with an oven-baked powdercoat finish on request. Application of such coating meets or exceeds relevant New Zealand standards.

Lead-times

Stocks of AliBat are warehoused in Auckland for supply to projects throughout New Zealand.

Supply chain

- Product can be sourced from Nu-Wall Aluminium Cladding Ltd (or from one of our Regional Distributors) for installation by a general building contractor.
- Product can be sourced from an experienced Nu-Wall installer as part of a supply/install contract.

Installation

AliBat may be installed by a competent builder following our published procedures.

Handling and storage

Short-term storage, raised off the ground, in cardboard cases is acceptable but we recommend dry storage for longer periods.

Warranty

The AliBat aluminium substrate is warranted in normal use against rotting, rusting, cracking or distorting for a minimum of 15 years.

Resources for Specifiers

Nu-Wall Aluminium Cladding Ltd maintain technical specifications relating to installation procedures. These are covered in the separate documents; "AliBat (by Nu-Wall) Structural Cavity Batten – Specification Reference" and "AliBat (by Nu-Wall) Structural Cavity Batten – Installation Reference", and in the technical drawings referred to within these.