NACCI

ARCHITECTURAL SYSTEMS

TIMBER | ALUMINIUM

# Nacci Batten Divider System Data Sheet

## Product Details

| | |
|---|---|
| **Type** | Push In, Hidden fixing, freestanding Battens in Solid timber & Aluminium |
| **Materials** | Red & Yellow cedar, Hemlock, American hardwoods, Australian hardwoods, Aluminium |
| **Finishes** | Various stains and clear coats for timber with both group 3 & group 1S<br>Aluminium Powder-coated Various colours<br>Aluminium wood grain sublimation ('wood look' |
| **Standard Batten Sizes** | **Timber** 42X65, 42X90, 42X140 **Aluminium** 40X60, 40X100, 50X150, 40x200 |
| **Fixing System**<br><br>**top / bottom** | Aluminium black 6mm thick fixing plates, and stainless-steel connection shaft with M5 Grub screw fixing point on side of batten**.** |
| **Mid Support** | Threaded rod coupled with black aluminium spacer tubes. |
| **Profile Spacing** | 21mm - 100mm+ spacing, spacing specified per project |
| **Profile Length** | Aluminium 5.0m / 6.0m & Timber 1.8m to 6m selected lengths (custom length available |



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## Applications & Installation

| | |
|---|---|
| **Application** | Interior & exterior wall dividers, Screens |
| **Installation** | Top & bottom base plates with pocket for shaft connection, Top connection has a stainless shaft with square end, a tapered side groove on the shaft is used in - conjunction with a side mounted m5 grub screw which when fastened, locates and secures the top shaft and bottom Lug for secure and fast install.<br><br>Battens are machined to suit any required trimming on site and hardware holes are already done for a quick and accurate install. |

## Warranty

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|---|---|
| **Interior Timber battens** | 7 years |
| **Interior Aluminium battens** | 10 – 25 years dependant on surface coating |
| **Environmental** | FSC® accredited material supplier<br>PEFC™ hain of custody material supplier<br><br>Our aluminium components sourced locally, the raw aluminium coming from Tiwai Point Smelter |

# Timber battens group ratings

For compliance with **NZBC C/AS2**, according to the requirements of **AS/NZS 3837:1998** and **AS 5637.1:2015**, untreated solid timber achieves a **Group 3 rating** for use as wall or ceiling linings, as per the **National Construction Code (NCC 2022**

| Timber species | Group rating (untreated | Group rating (Paint / stain as per table A1 | Group rating (FireZone 92 & vanguard | Suitable for external use | Density (kg/m$^3$ |
|---|---|---|---|---|---|
| Western red cedar | 3 | 3 | 1-S | Yes | 400 |
| Yellow Alaskan cedar | 3 | 3 | 1-S | Yes | 500 |
| Hemlock | 3 | 3 | 1-S | No | 500 |
| American / Australian hardwoods | 3 | 3 | 1-S | Yes | 700 |

Nacci timber profiles have a minimum overall thickness of 18mm & minimum overall width of 28mm.

**Firezone Reference** - Tested to EN13501-1:2018 in accordance with NZBC C/AS2 Clause 4.17 FireZone™ 92 system has achieved a B-s1-d0 European reaction to fire classification rating on timber with a minimum density of 338kg/m3 and minimum thickness of 9mm.

**Waterborne or solvent borne paint coatings, varnish or stain.** As per A1 table requirement

**Table A1** **Specified performances for some substrate and coating combinations**

| Coating (coating in good condition and well adhered to substrate) | Substrate | Performance (with or without coating) |
|---|---|---|
| Waterborne or solvent borne paint coatings ≤ 0.4 mm thick<br>Polymeric films ≤ 0.2 mm thick | Concrete and masonry ≥ 15 mm thick<br>Sheet metal ≥ 0.4 mm thick, or<br>Fibre-cement board ≥ 6.0 mm thick<br>Glass | G1-S |
| Waterborne or solvent borne paint coatings ≤ 0.4 mm thick | Gypsum plasterboard with or without paper facing ≥ 9.5 mm thick<br>≥ 400 kg/m$^3$ core density<br>< 5% wt organic contribution to board | G2-S |
| Waterborne or solvent borne paint coatings, varnish or stain ≤ 0.4 mm thick ≤ 100 g/m$^2$ | Solid wood or wood product ≥ 9.0 mm thick<br>≥ 600 kg/m$^3$ for particle boards, or<br>≥ 400 kg/m$^3$ for all other wood and wood products | G3 |
| **Note: The requirements of this table do not apply to metal faced panels with polymeric substrate.** | | |

Amend 3 Dec 2013

# Aluminium battens group ratings

(Battens tracks & components

For compliance with **NZBC C/AS2**, aluminium 6060-T5 is classified as a **non-combustible material**, and therefore does not require a Group Number under Table C1.1. If coated or used in a composite system, please refer to the below table for aluminium coating fire ratings.

| Aluminium coating | Group rating (un-coated | Group rating (Metwood sublimation | Group rating (Powder-coat | Suitable for external use |
|---|---|---|---|---|
| Batten range | Non combustible | 1-S | 1-S | Yes |
| Tracks / TCR | Non combustible | 1-S | 1-S | Yes |
| Components | Non combustible | 1-S | 1-S | Yes |

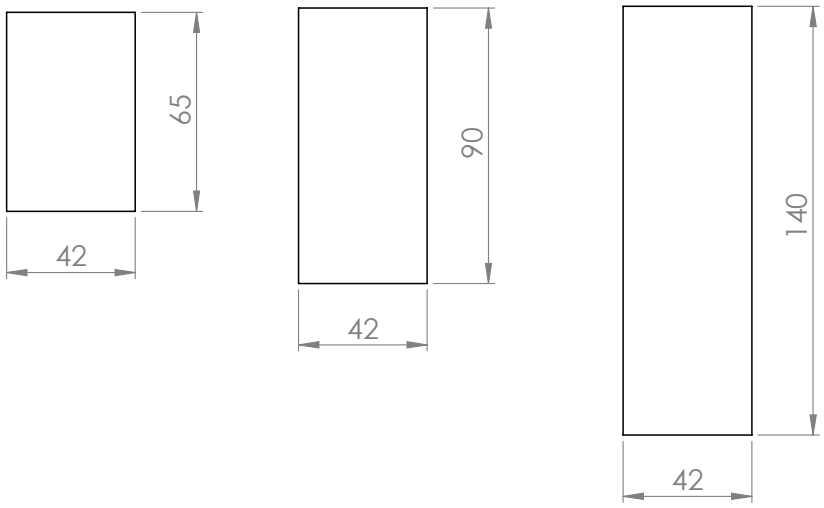
**Powder-coat** - BRANZ - Report No. FH 5532-TT ISSUE 3 (2020

**Metwood woodgrain sublimation** - BRANZ - Report No. FH 16947-01-1-C1 (2023

# Standard batten profiles

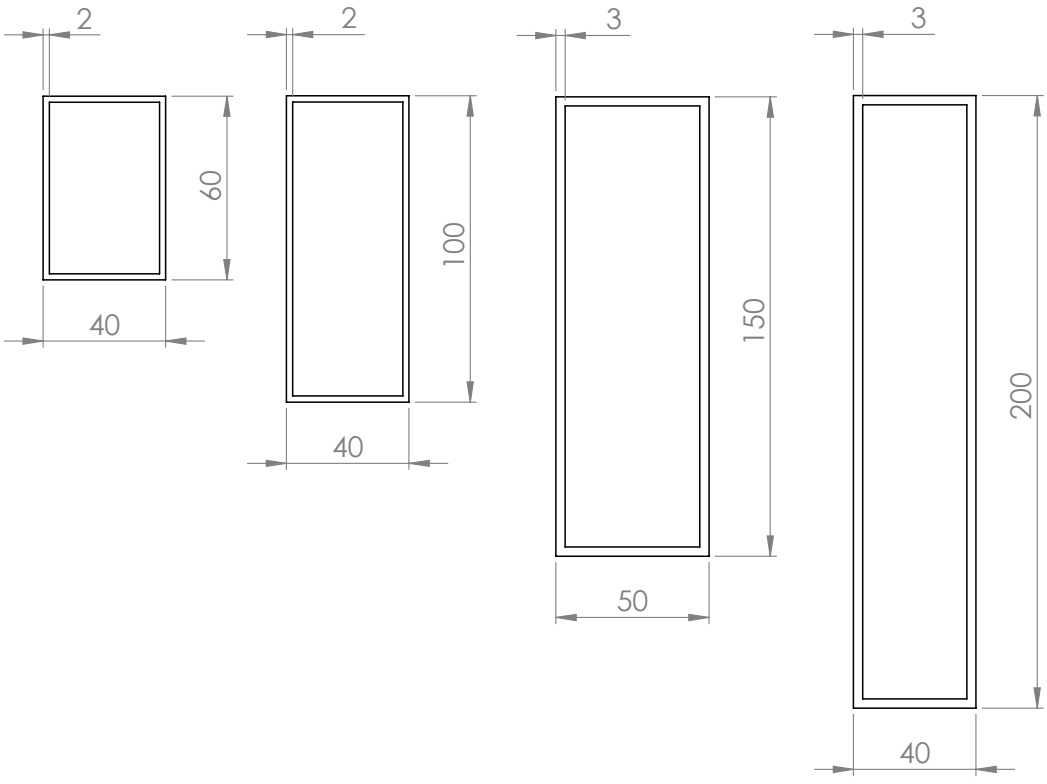
## Nacci standard timber batten profiles

Custom profiles can be prepared per project

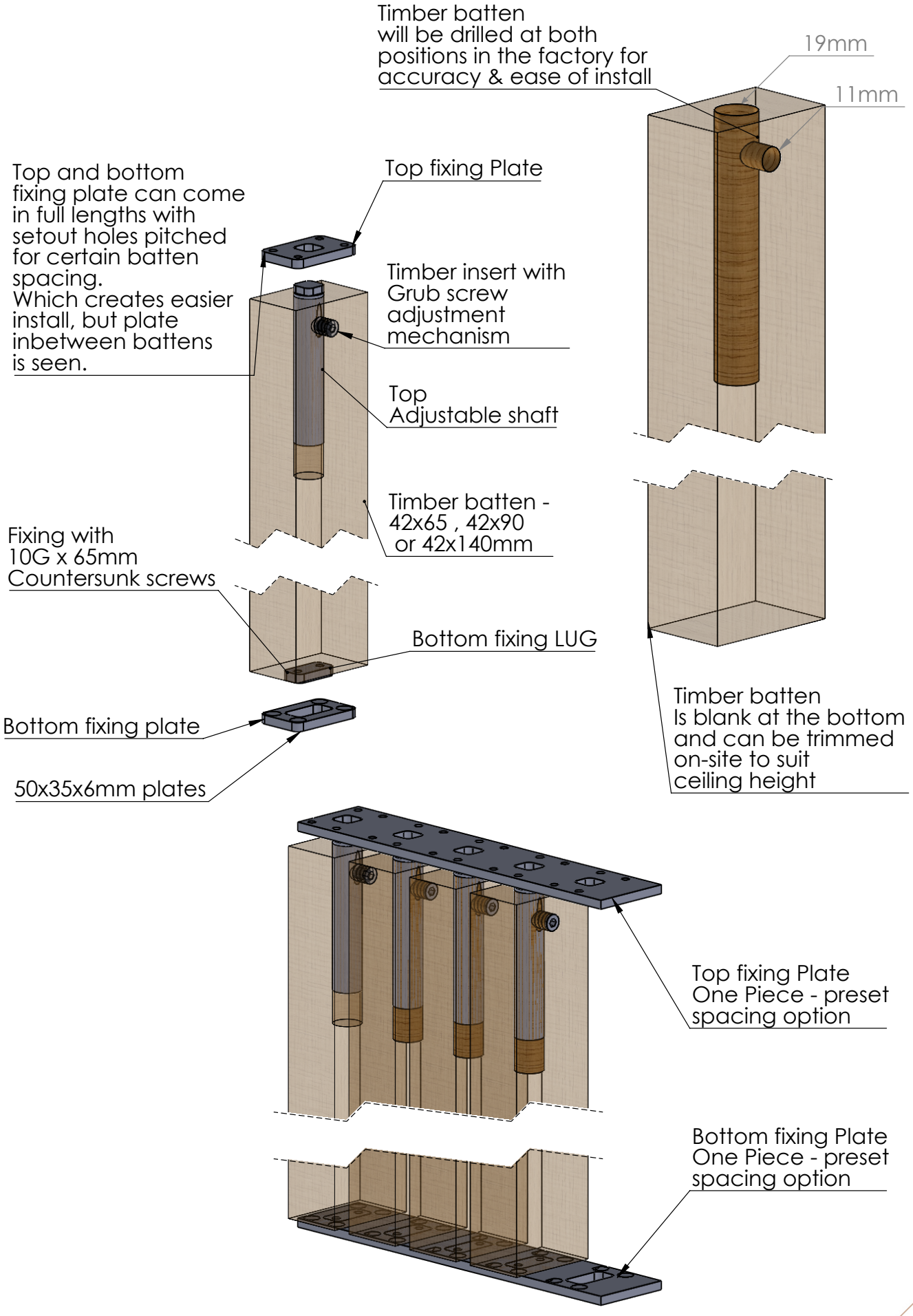



## Nacci standard aluminium batten profiles

Custom profiles can be prepared per project



# Typical batten diagram



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# Batten Divider Screens

## A concealed fixing, freestanding vertical batten system for walls & screening