



Timber 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
Hemlock	3	3	1-S	No	500
Radiata pine	3	3	1-S	No	550

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 Polymeric films ≤ 0.2 mm thick	Concrete and masonry ≥ 15 mm thick Sheet metal ≥ 0.4 mm thick, or Fibre-cement board ≥ 6.0 mm thick Glass	G1-S
Waterborne or solvent borne paint coatings ≤ 0.4 mm thick	Gypsum plasterboard with or without paper facing ≥ 9.5 mm thick ≥ 400 kg/m ³ core density < 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 ≥ 600 kg/m ³ for particle boards, or ≥ 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

NacCI clip in batten systems

Aluminium 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)

Nacci clip in batten systems

021 281 6924 | 56 Forge Road, Silverdale 0932 | www.nacci.co.nz