

AS 1684.2:2021

Residential timber-framed construction

Part 2: Non-cyclonic areas

Amendment No. 1

Revised text amendment

Publishing and Approval Dates

Council of Standards Australia Approval: 14 June 2024

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Summary

This Amendment applies to the following elements:

- Clauses 1.2, 1.4.2, 1.5, 1.11, 1.12, 4.2.2.3, 6.2.1.3, 8.3.6.5
- Figure 6.3
- Tables 8.18, 9.19 and 9.20
- Bibliography

Amendment Details

AS 1684.2:2021 is amended as follows. The amendments should be inserted in the locations as instructed.

Element	Instruction/New text
Cl 1.2	1 After “AS 1720.1, <i>Timber structures, Part 1: Design methods</i>”, add the following: <i>AS 1720.3, Timber structures, Part 3: Design criteria for timber-framed residential buildings</i> 2 After “AS 1860.2, <i>Particleboard flooring, Part 2: Installation</i>”, add the following: <i>AS 2082, Timber — Hardwood — Visually stress-graded for structural purposes</i> 3 After “AS 2796.1, <i>Timber — Hardwood — Sawn and milled products, Part 1: Product specification</i>”, add the following: <i>AS 2858, Timber — Softwood — Visually stress-graded for structural purposes</i> 4 After “AS 2870, <i>Residential slabs and footings</i>”, add the following: <i>AS 3519, Timber — Machine proof grading</i> 5 After “AS 3700, <i>Masonry structures</i>”, add the following: <i>AS 3818.3, Timber — Heavy structural products — Visually graded, Part 3: Piles</i> <i>AS 3818.11, Timber — Heavy structural products — Visually graded, Part 11: Utility poles</i> 6 After “AS/NZS 1170.2, <i>Structural design actions, Part 2: Wind actions</i>”, add the following: <i>AS/NZS 1328.1, Glue laminated structural timber, Part 1: Performance requirements and minimum production requirements</i> 7 After “AS/NZS 1604, <i>Specification for preservative treatment (all Parts)</i>” add the following: <i>AS/NZS 1748.1, Timber — Solid — Stress-graded for structural timber purposes, Part 1: General requirements</i>

Element	Instruction/New text
8	After "AS/NZS 2918, <i>Domestic solid fuel burning appliances — Installation</i> ", add the following: <i>AS/NZS 4357.0, Structural laminated veneer lumber, Part 0: Specifications</i>
9	After "AS/NZS 4791, <i>Hot-dip galvanized (zinc) coatings on ferrous open sections, applied by an in-line process</i> ", add the following: <i>ISO 22389-1, Timber structures — Bending strength of I-beams — Part 1: Testing, evaluation and characterization</i>
CI 1.3	Before definition 1.3.1, add the following: 1.3.101 engineered wood products EWPs range of wood products which are manufactured by binding or fixing the strands, particles, fibres, or veneers or boards of wood, together with adhesives, or other methods of fixation to form composite material where the wood fibre is the primary material Note 1 to entry: This document is not applicable to wood-plastic composites where wood fibre is not the primary material.
CI 1.4.2	Delete item (b) and replace with the following: (b) Where AS/NZS 1170.2 is used to determine the maximum design gust wind speed, a wind classification shall be adopted in accordance with Table 1.1. The ultimate limit state design gust wind speed determined from AS/NZS 1170.2 shall be not more than the ultimate limit state wind speed given in Table 1.1 for the corresponding wind classification adopted.
CI 1.5	Delete item (d) and replace with the following: (d) The member sizes, bracing and connection details are suitable for construction (including timber-framed brick veneer) of domestic structures not greater than 8.5 m in height at any section through the structure and a $k_p Z$ not greater than 0.11 in accordance with AS 1170.4.
CI 1.11	Delete clause and replace with the following: 1.11 Timber All timber used in accordance with this document shall conform to the following requirements: (a) <i>Visually graded sawn timber</i> — Visually graded sawn timber shall conform to the requirements of AS 2082 or AS 2858. (b) <i>Mechanically graded timber</i> — Mechanically graded timber shall conform to the requirements of AS/NZS 1748.1. (c) <i>Proof-graded timber</i> — Proof-graded timber shall conform to the requirements of AS 3519. (d) <i>Structural plywood</i> — Structural plywood shall conform to the requirements of AS/NZS 2269.0. (e) <i>Structural laminated veneer lumber</i> — Structural laminated veneer lumber shall conform to the requirements of AS/NZS 4357.0. (f) <i>Glued laminated timber</i> — Glued laminated timber shall conform to the requirements of AS/NZS 1328.1. (g) <i>Round timber</i> — Round timber shall conform to the requirements of AS 3818.3 or AS 3818.11, as appropriate. (h) <i>Timber I-joists</i> — Timber I-joists shall conform to the requirements of ISO 22389-1. (i) <i>Other timber products or grades</i> — Timber products or grades not listed in this document may have properties established by testing and evaluation methods consistent with those described in the AS/NZS 4063 series. In addition, for other timber-based products, modification factors for duration of load effect for strength and stiffness shall be determined based on authoritative research. Consideration shall also be given to the determination of the structural durability of adhesives used for manufacture.