

STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

Amendment No. 1
to
AS/NZS 4490:2011
Timber—Solid—Stress-graded for structural purposes—Verification of properties

REVISED TEXT

The 2011 edition of AS/NZS 4490 is amended as follows; the amendments should be inserted in the appropriate places.

SUMMARY: This Amendment applies to Clause 6.3.3 and Appendices A, F and G.

Published on 31 October 2012.

Approved for publication in New Zealand on behalf of the Standards Council of New Zealand on 27 September 2012.

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Clause 6.3.3

Delete first paragraph and *replace* with the following:

Timber shall be tested for modulus of elasticity (MOE) and either bending or tension in accordance with Clause 6.2.5 and AS/NZS 4063.1, using random position test locations.

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Appendix A, Paragraph A2, Item (b)

Third line, *delete* 'for strength and between 20 and 30 for MOE'.

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Appendix A, Paragraph A4, Item (a)

Delete text of Item (a), and *replace* with the following:

- (a) For MOE, both the fifth percentile of the test data and the arithmetic average of the test results shall be evaluated. The *TCV* for MOE shall be compared to the lesser of—
- (i) arithmetic average of the test results;
 - (ii) fifth percentile MOE from the test data divided by 0.7; and
 - (iii) fifth percentile MOE plus 3 GPa.

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Appendix F, Paragraph F2.2.2

Line 11, *delete* '19.8' and *replace* with '20.8'.

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Appendix F, Paragraph F2.2.3

Delete equation for probability (*pr*) and *replace* with the following:

$$pr = \frac{i - 0.5}{n}$$

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Appendix F, Paragraph F2.2.4

- 1 Item (i), *delete* '[2.80, 2.95, 3.08]' and *replace* with '[2.90, 3.03, 3.16]'.
 - 2 Item (i), *delete* '0.345' and *replace* with '0.313'.
 - 3 Item (ii), *delete* '[2.80, 2.95, 3.08]' and *replace* with '[2.90, 3.03, 3.16]'.
 - 4 Item (ii), *delete* '3.47' and *replace* with '3.504'.
 - 5 Equation for $R_{0.05}$, second line, *delete* ' $\exp(3.512 - 1.645 \times 0.316)$ ' and *replace* with ' $\exp(3.504 - 1.645 \times 0.313)$ '.
 - 6 Equation for V_R , second line, *delete* ' 0.316^2 ' and *replace* with ' 0.313^2 '.
 - 7 Equation for V_R , third line, *delete* '0.323' and *replace* with '0.321'.
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Appendix F, Table F4

- 1 Second row, third column, *delete* '19.8' and *replace* with '20.8'.
 - 2 Second row, last column, *delete* '19.8' and *replace* with '20.8'.
 - 3 Third row, third column, *delete* '19.8' and *replace* with '20.8'.
 - 4 Third row, last column, *delete* '19.8' and *replace* with '20.8'.
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Appendix G, Paragraph G2.1, Item (b)

Delete 'Table F1' and *replace* with 'Table G1'.

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Appendix G, Paragraph G2.2

First line, *delete* 'Table F1' and *replace* with 'Table G1'.
