AS 1684.3-1999 Residential timber-framed construction Part 3: Cyclonic areas

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Abbreviation
AS 1684.3-1999
Amendment
AS 1684.3-1999/Amdt 1-2000, AS 1684.3-1999/Amdt 2-2000, AS 1684.3-1999/Amdt 3-2001, AS 1684.3-1999/Amdt 4-2002
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This resource is cited by 1 document (show Citations)

Description

Specifies requirements for building practice and for the selection, placement and fixing of the various structural elements used in the construction of timber-framed Class 1 and Class 10 buildings, as defined in the Building Code of Australia, for cyclonic areas.

It also sets out building practice procedures, which are given to assist in the correct specification and design of timber members, bracing and connections thereby minimizing the risk of creating an environment that might adversely affect the ultimate performance of the structure. Appendices specify a method of interpolation for Span Tables in the Supplements, and an alternative procedure for determining racking forces.

Guidance is given on mass of roof, timber natural durability, moisture content, timber species and properties. Some examples are also included.

The 45 suplements, giving different wind classification and stress grades of various timbers, form an integral part of the Standard.

Scope

This Standard specifies requirements for building practice and the selection, placement and fixing of the various structural elements used in the construction of timber-framed Class 1 and Class 10 Buildings as defined by the Building Code of Australia and within the limitations given in Clause 1.6. The Standard also applies to alterations and additions to these buildings.

This Standard also provides building practice and procedures, which assist in the correct specification and design of timber members, bracing and connections, thereby minimizing the risk of creating an environment which might adversely affect the ultimate performance of the structure.

Reference is made to the Span Tables in the Supplements throughout this Standard. The Supplements are an integral part of, and shall be used in conjunction with, this Standard.

This Standard may also be applicable to the design and construction of other classes of buildings where the design criteria, loadings and other parameters applicable to those classes of building are within the limitations of this Standard.

Notes:

1. See AS 1684.1 for details of design criteria, loadings and other parameters.
2. Whilst this standard can be used to design Class 10 buildings, less conservative levels of design for this building class may be permitted by building regulations and other Australian Standards.

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