AS 1170.2-1989 Minimum design loads on structures (known as the SAA Loading Code) - Wind loads

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Abbreviation
AS 1170.2-1989
Amendment
AS 1170.2-1989/Amdt 1-1991 AS 1170.2-1989/Amdt 2-1993 AS 1170.2-1989/Amdt 3-1993
Valid from
20/03/1989

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SAI Global
Information type
Australian Standard
Format
PDF

Cited By
This resource is cited by 6 documents (show Citations)

Description

This Standard sets out requirements for establishing the minimum wind loads in structural design, and is in a limit states format. It provides a simplified procedure for the determination of wind loads on a limited range of small structures and buildings, and a detailed procedure on a wide range of structures.

Windspeeds are specified for the serviceability and ultimate strength/stability limit states, and for permissible stress design. Explanatory material is given in the appendices.

Scope

This Standard sets out procedures for determining design wind speeds and wind loads to be used in structural design of all buildings and components of buildings, bridges (minimum design wind speed only), and other structures subjected to wind.

For bridges, the design wind loads shall be determined in accordance with the AUSTROADS Bridge Design Code.

Major offshore structures remote from the coast and transmission lines **are not covered**, nor are the effects of tornadoes which are special-event winds.

The design wind loads for structures containing high risk contaminants, such as some nuclear or biological materials is considered **outside the scope** of this Standard.

This Standard **does not** attempt to account for possible future climatic changes.

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- AS 2159-1995

  AS 1170.2-1989 is cited by AS 2159-1995 Rules for the design and installation of piling (known as the SAA Piling Code)

- AS/NZS 1664.1:1997

  AS 1170.2-1989 is cited by AS/NZS 1664.1:1997 Aluminium structures - Limit state design

- AS/NZS 2699.2:2000

  AS 1170.2-1989 is cited by AS/NZS 2699.2:2000 Built-in components for masonry construction - Connectors and accessories

- AS/NZS 4200.1:1994

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