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AS 3600-1994 Concrete structures

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Abbreviation

AS 3600-1994

Amendment

AS 3600-1994/Amdt 1-1996

Valid from

10/10/1994

Information provider

SAI Global

Author

Standards Australia

Information type

Australian Standard

Format

PDF

Cited By

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Description

This Standard sets out minimum requirements for the design and construction of concrete structures and members which contain reinforcing steel, or tendons, or both. It also sets out minimum requirements for plain concrete members.

Scope

This Standard is intended to apply to structures made of concrete -

- a) with a characteristic compressive strength at 28 days, f_c , in the range of 20 MPa to 50 MPa; and
- b) of saturated, surface-dry density in the range of 1800 kg/m³ to 2800 kg/m³.

This Standard may be applied to concrete bridges. However, the design Standards of the relevant bridge authority, namely the Austroads Bridge Design Code for road bridges and the ANZRC Railway Bridge Design Manual for railway bridges, shall be used where applicable.

The general principles of concrete design and construction embodied in this Standard may be applied to concrete other than that specified above, or to concrete structures or members not specifically mentioned herein.

This Standard is not intended to apply to the design of mass concrete structures. It is also not intended that the requirements of this Standard should take precedence over those of other Australian Standards.

NOTE:

1. It is intended that the design of a structure or member to which this Standard applies, be carried out by, or under the supervision of, an engineer as defined in Clause 1.6.2.
2. Consideration is being given to extending the application of the Standard to structures in which the characteristic compressive strength of concrete (f_c) is greater than 50 MPa. However, before such an extension could be incorporated, current research data indicates that some requirements of the Standard would need to be more stringent than those presently given and others appropriately modified.

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