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Australian Standard 1170, Part 1 – 1971

SAA LOADING CODE

PART 1 – DEAD AND LIVE LOADS

METRIC UNITS

- 6 FEB 1972

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THE FOLLOWING SCIENTIFIC, INDUSTRIAL, PROFESSIONAL AND GOVERNMENTAL organizations and departments were officially represented on the committee entrusted with the preparation of this standard:

Association of Consulting Structural Engineers
Australian and New Zealand Railways Conferences
Bureau of Steel Manufacturers
Capital City Councils
Commonwealth Bureau of Meteorology
Commonwealth Department of Works
CSIRO Division of Building Research
Electricity Supply Association of Australia
Institution of Engineers, Australia
Master Builders Federation of Australia
Royal Australian Institute of Architects
Universities

This standard, prepared by Committee BD/6, Loading on Structures, was approved on behalf of the Council of the Standards Association of Australia on 17 November 1971.

These rules are intended to establish the minimum intensity of loading to be used in the structural design of buildings and structures associated with buildings but do not purport to comprise all the necessary provisions of a contract.

To keep abreast of progress in industry, Australian standards are regularly reviewed. Suggestions for improvements to published standards, addressed to the head office of the Association, are welcomed.

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AUSTRALIAN STANDARD RULES

MINIMUM DESIGN LOADS ON STRUCTURES

known as the

SAA LOADING CODE

Part 1 — Dead and Live Loads

(METRIC UNITS)

AS 1170, Part 1 — 1971

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PREFACE

This code constitutes the metrication of AS CA34, Part I. It is intended to be used in establishing the minimum dead and imposed loadings to be assumed in the structural design of buildings, industrial structures and the like but does not apply to special structures such as bridges and cranes nor to loads arising from fluid pressures.

In establishing the metric unit values, some rounding off of numbers has been carried out generally in line with BS CP3, Chapter V—Part 1; for example—

1 in = 25 mm (25.4 mm exact).

Similarly, concentrated loads have been limited to one place of decimals; e.g.—

1.8 kN = 400 lbf (405 lbf exact).

The density of materials has been rounded to the nearest 10 kg/m^3; e.g. aluminium 2720 kg/m^3 (2723 kg/m^3 exact). It should be noted that where data in this standard is given in units of *mass*, the gravitational forces in newtons imposed by such masses may be obtained by multiplying the values given in kilograms by 10 ~~(9.80665 exact)~~. AMENDMENT No 1

Attention is drawn to AS 1000, The International System (SI) Units and Their Application and AS 1155, Metric Units for Use in the Construction Industry.

Amendment No 1
July 1974

STANDARDS ASSOCIATION OF AUSTRALIA

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13 AUG 1974

AMENDMENT No 1

to

AS 1170, Part 1—1971

SAA LOADING CODE

PART 1 — DEAD AND LIVE LOADS

(METRIC UNITS)

Page 2. **Preface.**

In line 17, *delete* '(9·80665 exact)' and *insert* following sentence:

This is an approximation to the value of acceleration due to gravity which is very close to 9·8 m/s^2 in Australia (see AS 1155—1974, Appendix B). AMDT No 1 JULY 1974

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