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## Concrete, timber and metals. The nature and behaviour of structural materials.

Author(s) : [Illston, J. M.](#) ; [Dinwoodie, J. M.](#) ; [Smith, A. A.](#)

Author Affiliation : Sch. Eng., Hatfield Polytech., UK.

Book : [Concrete, timber and metals. The nature and behaviour of structural materials](#). pp.xix + 663 pp. ref.many

Abstract : A book for civil engineers. There are 2 introductory chapters on the design of civil engineering structures, and simple physical aspects of materials. Chapters by Dinwoodie, J.M. on timber: Structure of timber [15 ref., 14 pl.]; Moisture in timber [3 ref.]; Flow in timber [15 ref.]; Deformation in timber [14 ref., 1 pl.]; S

failure in timber [25 ref., 6 pl.]; Durability of timber [2 ref.]; and Processing of [mechanical and chemical, 2 ref., 1 pl.]. The remaining chapters cover similar concrete and metal. There is an annotated bibliography of about 100 ref. books on materials, and publications on concrete, timber and metals. Timber are listed under the following headings: general; structure; m.c., drying, shrink movement; flow, permeability, diffusion, conductivity; deformation; strength applications, design; durability, decay, fire; and processing.

ISBN : [0442301448](#)

Record Number : 19800664170

Publisher : [Van Nostrand Reinhold Company Ltd.](#)

Location of publication : [Wokingham, Berkshire](#)

Country of publication : [UK](#)

Language of text : [English](#)

Language of summary : [English](#)

Indexing terms for this abstract:

Descriptor(s) : bibliographies, buildings, durability, materials, pulp and paper industry, sawmilling, wood, wood properties

Identifier(s) : paper industry, sawing, technology, general

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