
INTERNATIONAL STANDARD



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Modular co-ordination — Co-ordinating sizes for rigid flat sheet boards used in building

Coordination modulaire — Dimensions de coordination des panneaux de plaques planes rigides utilisés dans le bâtiment

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Descriptors : buildings, modular structures, building boards, dimensions, co-ordinating sizes, length, width.

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

International Standard ISO 2777 was drawn up by Technical Committee ISO/TC 59, *Building construction*, and circulated to the Member Bodies in February 1972.

It has been approved by the Member Bodies of the following countries :

Australia	Germany	South Africa, Rep. of
Austria	Hungary	Spain
Belgium	India	Sweden
Canada	Ireland	Switzerland
Chile	Israel	Thailand
Denmark	Norway	Turkey
Egypt, Arab Rep. of	Poland	United Kingdom
Finland	Romania	U.S.S.R.

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

France
Netherlands

This International Standard is part of a series of ISO documents concerning modular co-ordination in building construction.

This series includes, among others, the following ISO documents, which lay down the basic principles and design rules of modular co-ordination :

ISO 1006, *Modular co-ordination — Basic module.*

ISO 1040, *Modular co-ordination — Multimodules for horizontal co-ordinating dimensions.*

ISO 1789, *Modular co-ordination — Storey heights and room heights for residential buildings.*

ISO/R 1790, *Modular co-ordination — Reference lines of horizontal controlling co-ordinating dimensions.*

ISO 1791, *Modular co-ordination — Vocabulary.*

ISO 1803, *Tolerances for building — Vocabulary.*

ISO 2848, *Modular co-ordination — Principles and rules.*

1) In preparation.

Modular co-ordination – Co-ordinating sizes for rigid flat sheet boards used in building

0 INTRODUCTION

As the ability of sheet board manufacturers to meet the requirements of buildings designed to a controlling reference system varies depending on the material, this International Standard gives only the co-ordinating sizes which can be supposed to be most frequently required.

This International Standard concerns rigid flat sheet boards such as : asbestos-cement boards, asbestos insulating boards, compressed straw building slabs, corkboard, expanded plastics, glass and mineral fibre boards, gypsum wallboard, fibre building boards (hard, medium, soft), metals (ferrous and non-ferrous), particle boards, blockboard, plywood, plastics laminates, laminboard, wood-wool slabs, which may be used as components.

The sizes given are those for the length and width dimensions. Consideration of thickness would not normally be important from a dimensional co-ordination point of view but, should it be found necessary in certain cases, it will be made the subject of a further International Standard.

This International Standard is intended for guidance; it is to be used as follows :

- a) in International Standards in which work (manufacturing) sizes for boards are specified and which should refer to this International Standard;
- b) in national standards, which should also refer to this International Standard when applicable.

Work sizes shall take account of joints and tolerances. Further International Standards on these matters are to be prepared in due course.

1 SCOPE

This International Standard specifies co-ordinating sizes for the length and width dimensions of rigid flat sheet boards used in building.

2 FIELD OF APPLICATION

This International Standard applies to rigid flat sheet boards for use in buildings of all types, with particular reference to those constructed on the principles of modular co-ordination, in accordance with the ISO documents listed in the Foreword.

3 DEFINITIONS

For the purpose of this International Standard, the definitions given in ISO 1791 and ISO 1803 shall apply.

4 SPECIFICATION

The preferred co-ordinating sizes of rigid flat sheet boards shall be as follows, including any combinations of them :

Lengths	Widths
18 M	6 M
21 M	9 M
24 M	12 M
27 M	
30 M	

NOTE – M is the symbol for the basic module defined in ISO 1006 and having the value 100 mm.