
INTERNATIONAL STANDARD



818

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Fibre building boards — Definition — Classification

Panneaux de fibres — Définition — Classification

First edition — 1975-01-15

STANDARDSISO.COM : Click to view the full PDF of ISO 818:1975

UDC 674.817-41.004.11

Ref. No. ISO 818-1975 (E)

Descriptors : construction materials, building boards, fibre boards, classification.

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.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 89 has reviewed ISO Recommendation R 818 and found it technically suitable for transformation. International Standard ISO 818 therefore replaces ISO Recommendation R 818-1968 to which it is technically identical.

ISO Recommendation R 818 was approved by the Member Bodies of the following countries :

Austria	Germany	Portugal
Belgium	India	Romania
Canada	Ireland	South Africa, Rep. of
Chile	Israel	Spain
Colombia	Korea, Rep. of	Sweden
Czechoslovakia	Netherlands	Switzerland
Egypt, Arab Rep. of	New Zealand	United Kingdom
Finland	Norway	U.S.S.R.
France	Poland	Yugoslavia

No Member Body expressed disapproval of the Recommendation.

No Member Body disapproved the transformation of ISO/R 818 into an International Standard.

Fibre building boards – Definition – Classification

1 SCOPE AND FIELD OF APPLICATION

This International Standard gives a definition and establishes a classification of fibre building boards.

2 DEFINITION

2.1 fibre building board : Sheet material generally exceeding 1,5 mm in thickness, manufactured from ligno-cellulosic fibres with the primary bond deriving from the felting of the fibres and their inherent adhesive properties. Bonding materials and/or additives may be added.

2.2 There are also fibre building boards for special purposes.

These are

- either fibre building boards incorporating additives in order to modify one or more of their properties (this may have the effect of altering the density),

- or fibre building boards, treated, and/or processed (for example, machined, coated).

These special fibre building boards will be defined in detail later if needed.

3 CLASSIFICATION

The fibre building boards as defined in 2.1 shall be classified according to their density as follows :

Type of board	Density g/cm ³
soft	≤ 0,35
medium	> 0,35 ≤ 0,80
hard	> 0,80