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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 818

FIBRE BUILDING BOARDS

DEFINITION – CLASSIFICATION

1st EDITION
September 1968

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BRIEF HISTORY

The ISO Recommendation R 818, *Fibre building boards – Definition – Classification,* was drawn up by Technical Committee ISO/TC 89, *Boards made from wood or other ligno-cellulosic fibrous materials,* the Secretariat of which is held by the Deutscher Normenausschuss (DNA).

Work on this question by the Technical Committee began in 1959 and led, in 1964, to the adoption of a Draft ISO Recommendation.

In May 1966, this Draft ISO Recommendation (No. 956) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

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

No Member Body opposed the approval of the Draft.

The Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in September 1968, to accept it as an ISO RECOMMENDATION.

ISO Recommendation R 818 September 1968

FIBRE BUILDING BOARDS

DEFINITION – CLASSIFICATION

1. SCOPE

This ISO Recommendation 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 clause 2.1 should be classified according to their density as follows :

Type of board	Density g/cm^3
soft	$\leqslant 0.35$
medium	$> 0.35 \leqslant 0.80$
hard	> 0.80