

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 819

FIBRE BUILDING BOARDS
DETERMINATION OF DENSITY

1st EDITION
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BRIEF HISTORY

The ISO Recommendation R 819, *Fibre building boards – Determination of density*, 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 1965, to the adoption of a Draft ISO Recommendation.

In May 1966, this Draft ISO Recommendation (No. 957) 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,	
India	Rep. of	
Ireland	Spain	

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.

FIBRE BUILDING BOARDS

DETERMINATION OF DENSITY

1. SCOPE

This ISO Recommendation describes a method of determining the density of fibre building boards, defined in ISO Recommendation R 818, *Fibre building boards – Definition – Classification*.

2. PRINCIPLE OF THE METHOD

To determine the ratio of the mass, in grammes, of each test piece to its volume in cubic centimetres.

3. APPARATUS

See ISO Recommendation R 766, *Fibre building boards – Determination of dimensions of test pieces*.

4. SAMPLING AND TEST PIECES

- 4.1 **Sampling and cutting of the test pieces** should be carried out in accordance with ISO Recommendation R . . . , **Fibre building boards – Sampling, cutting and inspection*.
- 4.2 **Test pieces.** The test pieces should be square in shape with sides measuring 100 mm.
- 4.3 **Conditioning.** The test pieces should be conditioned to constant mass ** in an atmosphere of a relative humidity of $65 \pm 5\%$ and a temperature of $20 \pm 2^\circ\text{C}$.

5. PROCEDURE

- 5.1 Each test piece should be weighed to an accuracy of 0.1 g.

• At present at the stage of draft proposal.

** Constant mass is considered to be reached when two successive weighing operations, carried out at an interval of 24 hours, do not differ by more than 0.1 % of the mass of the test piece.