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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 822

PARTICLE BOARDS

DETERMINATION OF DENSITY

1st EDITION

September 1968

For each individual country the only valid standard is the national standard of that country.

Printed in Switzerland

Also issued in French and Russian. Copies to be obtained through the national standards organizations.

BRIEF HISTORY

The ISO Recommendation R 822, *Particle 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 1963 and led, in 1965, to the adoption of a Draft ISO Recommendation.

In May 1966, this Draft ISO Recommendation (No. 960) 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.

ISO Recommendation R 822 September 1968

PARTICLE BOARDS

DETERMINATION OF DENSITY

1. SCOPE

This ISO Recommendation describes a method of determining the density of particle boards, defined in ISO Recommendation R 820, *Particle 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 821, *Particle 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 . . ., **Particle boards – Sampling, cutting and inspection.*

4.2 **Test pieces.** The test pieces should be square in shape, with sides measuring 100 mm.

NOTE. – In the case of extruded tubular boards, the dimension of the test pieces should be such that they are representative of the whole board.

4.3 **Conditioning.** The test pieces should be conditioned to constant mass ** in an atmosphere of a relative humidity of 65 ± 5 % and a temperature of 20 ± 2 °C.

5. PROCEDURE

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

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* 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.