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ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

**ISO RECOMMENDATION
R 823**

PARTICLE BOARDS

DETERMINATION OF MOISTURE CONTENT

1st EDITION

September 1968

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BRIEF HISTORY

The ISO Recommendation R 823, *Particle boards – Determination of moisture content*, 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. 961) 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.

PARTICLE BOARDS
DETERMINATION OF MOISTURE CONTENT

1. SCOPE

This ISO Recommendation describes a method of determining the moisture content of particle boards, defined in ISO Recommendation R 820, *Particle boards – Definition – Classification*.

2. PRINCIPLE OF THE METHOD

To determine, by weighing, the loss of mass of each test piece between its state at the time of sampling and its state after drying to constant mass, and to relate this loss to the mass of the test piece after drying.

3. APPARATUS

- 3.1 *Balance*, allowing a reading to an accuracy of 0.01 g.
- 3.2 *Air convection drying oven*, the temperature of which can be maintained at 103 ± 2 °C.

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 should be carried out on test pieces of any shape and dimensions with a minimum area of 25 cm².

* At present at the stage of draft proposal.