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INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION

R 820

PARTICLE BOARDS

DEFINITION – CLASSIFICATION

1st EDITION

September 1968

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BRIEF HISTORY

The ISO Recommendation R 820, *Particle 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 1963 and led, in 1964, to the adoption of a Draft ISO Recommendation.

In May 1966, this Draft ISO Recommendation (No. 958) 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	India	Romania
Belgium	Ireland	South Africa, Rep. of
Canada	Israël	Spain
Chile	Korea, Rep. of	Switzerland
Colombia	Netherlands	U.A.R.
Czechoslovakia	New Zealand	United Kingdom
Finland	Norway	U.S.S.R.
France	Poland	Yugoslavia
Germany	Portugal	

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 820 September 1968

PARTICLE BOARDS

DEFINITION – CLASSIFICATION

1. SCOPE

This ISO Recommendation gives a definition and establishes a classification of particle boards.

2. DEFINITION

Particle board. Panel material manufactured under pressure essentially from particles of wood and/or other ligno-cellulosic fibrous materials (for example, wood chips, sawdust, flax shives, etc.) with or without the addition of an adhesive, hydraulic binders being excluded.

3. CLASSIFICATION

Particle boards can be classified according to different criteria, and it is impossible to give an absolute classification here. However, boards can be classified as follows :

3.1 According to the manufacturing process *

- flat pressed
- extruded
  - (*a*) solid
  - (*b*) tubular

3.2 According to the state of the surface

- as pressed
- sanded or planed
- coated
- veneered

3.3 According to the shape

- flat
- moulded

3.4 According to the density.

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* There are also intermediate manufacturing processes.