
INTERNATIONAL STANDARD



820

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Particle boards — Definition and classification

Panneaux de particules — Définition et classification

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Descriptors : building boards, particle boards, classification.

FOREWORD

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO Member Bodies). The work of developing International Standards is carried out through ISO Technical Committees. Every Member Body interested in a subject for which a Technical Committee has been set up has the right to be represented on that Committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

Draft International Standards adopted by the Technical Committees are circulated to the Member Bodies for approval before their acceptance as International Standards by the ISO Council.

Prior to 1972, the results of the work of the Technical Committees were published as ISO Recommendations; these documents are now in the process of being transformed into International Standards. As part of this process, Technical Committee ISO/TC 151 has reviewed ISO Recommendation R 820 and found it technically suitable for transformation. International Standard ISO 820 therefore replaces ISO Recommendation R 820-1968 to which it is technically identical.

ISO Recommendation R 820 was approved by the Member Bodies of the following countries :

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

No Member Body expressed disapproval of the Recommendation.

The Member Body of the following country disapproved the transformation of ISO/R 820 into an International Standard :

Italy

Particle boards – Definition and classification

1 SCOPE AND FIELD OF APPLICATION

This International Standard 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 process¹⁾

- 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.

1) There are also intermediate manufacturing processes.