
INTERNATIONAL STANDARD



5334

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

Solid wood parquet — Classification of maritime pine strips

Parquet en bois massif — Classification des lames en pin maritime

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[ISO 5334:1978](https://standards.iteh.ai/catalog/standards/sist/1e9677fb-edc2-4f02-a8e5-b74d6d4377fb/iso-5334-1978)

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Descriptors : wood products, wood floors, parquet strips, sawn timber, pine wood, 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.

International Standard ISO 5334 was developed by Technical Committee ISO/TC 99, *Semi-manufactures of timber*, and was circulated to the member bodies in July 1976.

It has been approved by the member bodies of the following countries:

| | | |
|----------------|---------|-----------------------|
| Brazil | Hungary | South Africa, Rep. of |
| Bulgaria | India | Spain |
| Canada | Italy | Yugoslavia |
| Czechoslovakia | Mexico | |
| Germany | Romania | |

The member bodies of the following countries expressed disapproval of the document on technical grounds:

France
Norway

Solid wood parquet – Classification of maritime pine strips

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1 SCOPE AND FIELD OF APPLICATION

This International Standard establishes the classification by quality, of non-assembled solid maritime pine parquet strips.

2 REFERENCE

ISO 1072, *Solid wood parquet – General characteristics.*

3 MANUFACTURE, CHARACTERISTICS, DELIVERY CONDITIONS

3.1 Regulations for the manufacture, the characteristics and the delivery conditions are fixed by ISO 1072.

3.2 The minimum dimensions and the mean lengths for deliveries in non-specified lengths shall be the subject of agreement between the interested parties.

3.3 Solid maritime pine parquet strips may be treated to give effective protection to all parts of the strip liable to be attacked by insects, without impairing subsequent use of the strips, the parquet appearance or its maintenance.

4 CLASSIFICATION

4.1 Solid maritime pine parquet strips shall not contain more defects than those allowed under 4.5, for each grade.

4.2 Solid maritime pine parquet strips are divided into three grades :

★★★
★★
★

4.3 Strips containing more defects than those allowed for the last grade (★) shall not be delivered under the designation "ISO solid maritime pine parquet strips", nor under any other designation which may lead to confusion with one of the grades given.

4.4 Strips entirely free of defects are not covered by this classification.

4.5 The three grades shall correspond to the conditions stated in tables 1, 2 and 3.

TABLE 1 – General characteristics

| Wood or sawing defects | | Grades | | |
|--|-------------------|---|--|------------------------|
| | | *** | ** | * |
| Decay and suffocated wood | | none | | |
| Texture | | regular | | all textures permitted |
| Slope of grain | | appreciably straight grain and parallel to the axis of the piece | slope of grain not exceeding 10 % | |
| Planing imperfections (areas not planed and traces of planing machine) | on face and edges | none (on examination with the naked eye) | permitted, if localized, not exceeding 0,2 mm in depth | |
| | on tongue | on 20 % | maximum permitted on 30 % of the length and of the width not exceeding 0,2 mm in depth | on 40 % |
| | on back | 0,3 mm | permitted up to a maximum depth of 0,5 mm | 1,0 mm |
| Planing waves | on face | permitted up to a maximum depth of 0,2 mm | | |
| | on back | permitted | | |
| Incomplete tongue | | on 1/3 of the length provided that the width of the tongue is not reduced to less than 3 mm | maximum permitted | on 1/2 of the length |

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TABLE 2 – Face

| Wood defects | | Grades | | |
|-------------------------------|------------------------------------|--|--|--|
| | | *** | ** | * |
| Pith traces | | none | permitted in the form of discontinuous rays, not exceeding in length 20 mm 30 mm if they are not cleft | |
| Curls | | none | permitted, slight | |
| Colouring | pinkish | none | | |
| | bluish | none | permitted if it does not result from adulteration due to biological agents | |
| | brown | none | | |
| Shakes | checks | permitted | | |
| | shallow | none | permitted closed shakes not exceeding 20 mm in length and not exceeding in depth 1 mm | permitted closed shakes not exceeding in length the width of the piece 2 mm |
| | through | none | | |
| | ring | none | | |
| Bark-pocket and frost cracks | | none | | |
| Round and oval knots | very small | permitted in unlimited number provided that their diameter does not exceed 2 mm for sound knots 1 mm for black knots | | |
| | intergrown or partially intergrown | none | permitted three sound knots, each not exceeding 15 mm in diameter | not exceeding 20 mm in diameter |
| | black, not intergrown or burst | none | | permitted, not exceeding 20 mm in diameter, if they are not in clusters |
| Traversing and branched knots | | none | | |
| Worm holes | | none | | |
| Pitch-pockets | | none | permitted, not exceeding in length 20 mm 30 mm | |
| Wet areas | | permitted | | |
| Wane (dull edge) | | none | | |
| Defects not mentioned | | none | | |

NOTE – The number of defects indicated in table 2, permitted on the face of the piece, shall not exceed :

- 2 defects for grade ***
- 3 defects for grade **
- 4 defects for grade *

TABLE 3 — Back, ends and edges

| Wood defects | | Grades | | |
|-----------------------|--------------------------------------|--|---|-----------|
| | | *** | ** | * |
| Pith traces | | permitted in the form of discontinuous rays if they are not cleft | | permitted |
| Curls | | permitted | | |
| Shakes | checks | permitted | | |
| | shallow | permitted, not exceeding 4 mm in depth | | |
| | through | none | | |
| Round and oval knots | round, of normal colour, even darker | 20 mm | permitted, provided that the diameter does not exceed 30 mm | |
| | black, inter-grown, dead or burst | 10 mm | permitted, provided that the diameter does not exceed 20 mm | |
| Wane (dull edge) | | 20 % | 30 % | 40 % |
| | | maximum permitted in length and in width | | |
| | | 10 % of the thickness of the piece | | |
| Defects not mentioned | | permitted, provided that they do not impair the strength and the durability of the parquet | | |

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