
International Standard



1324

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Solid wood parquet — Classification of oak strips

Parquet en bois massif — Classification des lames en chêne

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 1324 was prepared by Technical Committee ISO/TC 99, *Semi-manufactures of timber*.

It cancels and replaces Recommendation ISO/R 1324-1970 of which it constitutes a technical revision.

Solid wood parquet — Classification of oak strips

1 Scope and field of application

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

2 Reference

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

3 Manufacture, characteristics, delivery conditions

3.1 Regulations for the manufacture, characteristics and delivery conditions are fixed by ISO 1072; the moisture content at delivery shall be between 7 and 13 %.

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 The protection or lack of protection of the sapwood against insect damage shall be specially detailed in the purchase order.

4 Classification

4.1 Solid oak parquet strips shall not contain more defects for each grade than those allowed in tables 1, 2 and 3.

4.2 Solid oak parquet strips are divided into three quality grades. It is emphasized that, because the appearance of the strips is essentially a subjective judgement, a gradation between the grades has not been established. In this International Standard, the grades are identified by (***) (**), (*)¹⁾

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

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

¹⁾ Designation or names for these quality grades may be assigned in national standards, provided that such standards indicate, at least in a note, the relationship with the ISO classification.

Table 1 — General characteristics

| Wood or sawing defects | | *** | ** | * |
|--|-------------------|--|-----------------------------------|--|
| Doat and decay | | none | | |
| Texture | | regular | all textures permitted | |
| Straightness of grain | | slope of grain not exceeding 10 % | slope of grain not exceeding 30 % | all slopes permitted |
| 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 back | permitted up to a maximum depth of | | |
| | | 0,3 mm | 0,4 mm | 0,5 mm |
| Planing waves | on face | none (on examination with the naked eye) | | permitted up to a maximum of 0,2 mm |
| | on back | permitted | | |
| Incomplete tongue | | permitted on 1/4 of the length | permitted on 1/3 of the length | permitted on 1/2 of the length |
| provided that the width of the tongue is not reduced to less than 3 mm | | | | |

Table 2 — Face

| Wood or sawing defects | | *** | ** | * |
|---------------------------------|--|--|---|-----------------------------|
| Medullary sheath (sound heart) | | none | | permitted (with cracks) |
| Sound sapwood and false sapwood | | none | | permitted |
| Colouring | | very slight permitted, stains are excluded | permitted if they do not result from adulterations due to biological agents | |
| Shakes | checks | none | permitted | |
| | superficial | none | permitted to a maximum depth of 1 mm and a maximum width of 0,5 mm | |
| | other, non-through | none | 1 mm | not exceeding in depth 2 mm |
| Bark-pocket and frost cracks | | none | | |
| Knots | very small, not exceeding 5 mm in diameter | 2 | permitted in unlimited number | |
| | black, not exceeding 1 mm in diameter | 1 | | |
| Knot clusters | | none | permitted | |
| Worm holes | | none | | |
| Wane (dull edges) | | none | | |
| Curl | | none | slight permitted | permitted |

Table 3 – Back, ends and edges

| Wood or sawing defects | | *** | ** | * |
|---------------------------------|-------------------------------------|--|---|-------------------------------|
| Medullary sheath (sound heart) | | none | permitted in the form of discontinuous rays if they are not cleft | |
| Sound sapwood and false sapwood | | permitted on the whole width of the piece, if not exceeding 10 mm of the thickness | | permitted without limitations |
| Shakes | seasoning shakes and shallow shakes | 1 mm | permitted, if not exceeding in depth 4 mm | |
| | through shakes | none | | |
| Wane (dull edges) | | maximum permitted only the median part, of length | | |
| | | 20 % | 30 % | 40 % |
| | | 10 % | 20 % | 30 % |
| | | 25 % of the floor-layer | 50 % of the floor-layer | that of the floor-layer |
| Frost cracks and inbark | | permitted | | |
| Defects not mentioned | | permitted, provided that they do not impair the strength and the durability of the parquet | | |