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**INTERNATIONAL STANDARD**



**2457**

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

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## **Solid wood parquet — Classification of beech strips**

*Parquet en bois massif — Classement des lames en hêtre*

Second edition — 1976-06-01

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## 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 2457 was drawn up by Technical Committee ISO/TC 99, *Semi-manufactures of timber*. This second edition was circulated to the Member Bodies in May 1974.

It has been approved by the Member Bodies of the following countries:

Bulgaria	Netherlands	Spain
Germany	Norway	Thailand
Hungary	Poland	Turkey
Ireland	Romania	Yugoslavia
Italy	South Africa, Rep. of	

The Member Bodies of the following countries expressed disapproval of the document on technical grounds :

Czechoslovakia  
France  
U.S.S.R.

This second edition cancels and replaces the first edition (i.e. ISO 2457-1972).

# Solid wood parquet – Classification of beech strips

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### 1 SCOPE AND FIELD OF APPLICATION

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

### 2 REFERENCE

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

### 3 MANUFACTURE, CHARACTERISTICS, DELIVERY CONDITIONS

3.1 The 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 Unless otherwise requested, the wood shall be steamed before delivery.

### 4 CLASSIFICATION

4.1 Solid beech parquet strips shall not contain more defects than those allowed in 4.5, for each grade.

4.2 Solid beech parquet strips are divided into two grades :

★★★  
★★

4.3 Strips containing more defects than those allowed for the last grade (★★) shall not be delivered under the designation "ISO solid beech 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 and strips cut solely into quarters or solely into half-quarters are not covered by this classification.

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

TABLE 1 – General characteristics

Wood or sawing defects		Grades	
		***	**
Doat and decay		none	
Straightness of grain		appreciably straight grain and parallel to the axis of the strip	slope of grain not exceeding 10 %
Texture		regular	all textures permitted
Planing imperfections (areas not planed and traces of planing machine)	on face and edges	none (on examination with the naked eye) in depth	permitted, if localized, not exceeding 0,2 mm in depth
	on tongue	maximum permitted on 20 % of the length on 25 % of the width not exceeding 0,2 mm in depth	on 30 % of the length and of the width
	on back	permitted	
Planing waves	on face	permitted up to a depth of 0,2 mm max.	
	on back	permitted	
Incomplete tongue		permitted on 1/3 of the length	permitted on 1/2

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Wood defects		Grades	
		***	**
Medullary sheath (sound heart)		none	
Redheartwood		none	sound permitted
Colouring		very slight permitted, stains excluded	permitted if they do not result from adulterations due to biological agents
Shakes	shallow shakes and checks	permitted, not exceeding in depth 1 mm	2 mm
	through	none	
Inbark and frost cracks		none	
Knots	very small	permitted in unlimited number : – sound knots not exceeding 2 mm in diameter – black knots not exceeding 1 mm in diameter	
	intergrown or partially intergrown	none	permitted, not exceeding 15 mm in diameter
	black, dead or burst	none	permitted, if not in clusters, not exceeding 7 mm in diameter
Wormholes		none	
Wane (dull edges)		none	
Curl		none	

TABLE 3 – Back, ends and edges

Wood defects		Grades	
		***	**
Medullary sheath (sound heart)		none	permitted in the form of discontinuous rays, if they are not cleft
Redheartwood		permitted	
Shakes	shallow shakes and checks	permitted, not exceeding 4 mm in depth	
	through	none	
Knots	sound, of normal colour even darker	permitted, not exceeding 20 mm in diameter	permitted, provided that the diameter does not exceed 1/2 of the width of the strip
	intergrown, dead or burst	permitted, provided that the diameter does not exceed 15 mm   25 mm and the depth 1/2 of the thickness of strip	
Wormholes		none	
Wane (dull edges)		in length and in width 20 % maximum permitted	in length : 30 % in width : 20 % in depth 10 % of the thickness of strip
Curl		permitted	
Defects not mentioned		permitted, provided that they do not impair the strength and the durability of the parquet	

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