
International Standard



1324

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

Solid wood parquet — Classification of oak strips

Parquet en bois massif — Classification des lames en chêne

First edition — 1985-06-01

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UDC 674-42 : 69.025.351.3

Ref. No. ISO 1324-1985 (E)

Descriptors : wood products, oak wood, wooden floors, parquet strips, classification.

Foreword

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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.

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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	permitted, if not exceeding in depth		
	through shakes	1 mm	4 mm	6 mm
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		

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