

---

# International Standard



# 5320

---

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

---

## Solid wood parquet — Classification of fir and spruce strips

*Parquet en bois massif — Classification des lames en sapin et épicéa*

First edition — 1980-05-01

ITeH STANDARD PREVIEW  
(standards.iteh.ai)

[ISO 5320:1980](https://standards.iteh.ai/catalog/standards/sist/7d017c52-daaa-44d1-9412-a31ef78a2aa4/iso-5320-1980)

<https://standards.iteh.ai/catalog/standards/sist/7d017c52-daaa-44d1-9412-a31ef78a2aa4/iso-5320-1980>



---

UDC 674-42 : 69.025.351.3 : 620.191

Ref. No. ISO 5320-1980 (E)

**Descriptors** : wood products, wood floors, parquet strips, sawn timber, fir wood, spruce 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 5320 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 :

<https://standards.iteh.ai/catalog/standards/sist/71017c52-daaa-44d1-9412-a31ef783e1/iso-5320-1980>

Brazil	Hungary	South Africa, Rep. of
Bulgaria	India	Spain
Canada	Korea, Rep. of	Yugoslavia
Czechoslovakia	Mexico	
Germany, F.R.	Romania	

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

France  
Italy  
Norway

# Solid wood parquet — Classification of fir and spruce strips

## iTeh STANDARD PREVIEW (standards.iteh.ai)

### 1 Scope and field of application

This International Standard establishes the classification, by quality, of non-assembled solid fir and spruce 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 of non-specified lengths shall be the subject of agreement between the interested parties.

**3.3** Solid fir and spruce 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 fir and spruce parquet strips shall not contain more defects than those allowed under 4.5, for each grade.

**4.2** Solid fir and spruce 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 fir [or spruce] 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 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		maximum permitted on 1/3 of the length   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 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 adulterations 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
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		none	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	permitted, not exceeding 4 mm in depth		
Round and oval knots	sound, of normal colour, even darker	20 mm	30 mm	permitted, provided that the diameter does not exceed 30 mm
	black, inter-grown, dead or burst	10 mm	20 mm	permitted, provided that the diameter does not exceed 20 mm
Wane (dull edge)		20 %	30 %	40 %
		maximum permitted in length and in width		
		in depth		
		20 % of the thickness of the piece		
Defects not mentioned		permitted provided that they do not impair the strength and the durability of the parquet		

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

This page intentionally left blank

ISO 5320:1980

<https://standards.iteh.ai/catalog/standards/sist/7d017c52-daaa-44d1-9412-a31ef78a2aa4/iso-5320-1980>

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

This page intentionally left blank

[ISO 5320:1980](#)

<https://standards.iteh.ai/catalog/standards/sist/7d017c52-daaa-44d1-9412-a31ef78a2aa4/iso-5320-1980>