
INTERNATIONAL STANDARD



5333

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

Coniferous wood raw parquet blocks — Classification of fir and spruce parquet blocks

Frises brutes en bois résineux pour parquets — Classification des frises en sapin et épicéa

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Descriptors : wood products, wood floors, parquet blocks, fir wood, spruce wood, classifications.

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 5333 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	Norway
Bulgaria	India	Romania
Canada	Italy	South Africa, Rep. of
Czechoslovakia	Korea, Rep. of	Spain
Germany	Mexico	Yugoslavia

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

France
Ireland

Coniferous wood raw parquet blocks – Classification of fir and spruce parquet blocks

1 SCOPE AND FIELD OF APPLICATION

This International Standard establishes the classification, by quality, of raw parquet blocks of :

- fir (*Abies* sp.),
- spruce (*Picea* sp.),

intended for the manufacture of strips for different types of parquet floorings.

2 REFERENCE

ISO 5321, *Coniferous wood raw parquet blocks – General characteristics*.

3 MANUFACTURE, CHARACTERISTICS, DELIVERY CONDITIONS

The regulations for the manufacture, the characteristics and the delivery conditions are fixed by ISO 5321.

4 CLASSIFICATION

4.1 Raw parquet blocks shall not contain more defects than those specified under 4.4, for each grade.

4.2 Raw parquet blocks are divided into two grades :

I
II

4.3 Raw parquet blocks containing more defects than those allowed for the second grade (II) shall not be delivered under the designation "ISO coniferous wood (fir, spruce) raw parquet blocks", nor under any other designation which may lead to confusion with one of the grades given.

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

TABLE 1 – General characteristics

Wood or sawing defects	Grades	
	I	II
Decay	none	
Slope of grain	appreciably straight grain and parallel to the axis of the piece	slope of grain not exceeding 10 %
Texture	regular	all textures permitted
Bow	permitted only on one plane, if the deflection does not exceed 1 % of the length of the piece	
Spring	permitted if the deflection does not exceed 0,5 % of the length of the piece	
Cup	permitted if the deflection does not exceed 2 mm of the width of the piece	
Twist	none	
Saw marks	permitted provided that they do not exceed 0,5 mm in depth	

TABLE 2 – Face

Wood defects		Grades	
		I	II
Medullary sheath (sound heart)		none	permitted, not exceeding 30 mm in length
Curly grain		none	slight, permitted
Colouring	pinkish	none	
	bluish	none	light, permitted
	brown	none	
Shakes	checks	permitted	
	shallow	permitted, not exceeding in depth	
	through	1 mm	2 mm
Inbark 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, not exceeding 15 mm in diameter
	dead or burst	none	none
Traversing and branched knots		none	
Worm holes		none	
Pitch-pockets		none	permitted, not exceeding 30 mm in length
Wet areas		permitted	
Wane (dull edge)		none	

NOTE – The number of defects permitted on the face side of the piece, specified in tables 1 and 2, shall not exceed :

- 3 defects for grade I;
- 4 defects for grade II.

TABLE 3 – Back, ends and edges

Wood defects		Grades	
		I	II
Medullary sheath (sound heart)		none	permitted in the form of discontinuous rays, if they are not cleft
Curly grain		permitted	
Shakes	checks	permitted	
	shallow	permitted, not exceeding 4 mm in depth	
	through	permitted on ends, not exceeding in length the increment given for the length of the piece	
Round and oval knots	sound, of normal colour, even darker	permitted, not exceeding 20 mm in diameter	permitted provided that the diameter does not exceed 50 % of the width of the piece
	black, inter-grown, dead or burst	permitted provided that the diameter does not exceed 15 mm 25 mm and the depth 50 % of the thickness of the piece	
Wet areas		permitted	
Wane (dull edge)	sharp	none	
	blunt	maximum permitted : in length and in width 20 % in length 30 % in width 20 % in depth 10 % of the thickness of the piece	
Defects not mentioned		permitted, provided that they do not impair the strength and the durability of pieces	

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