INTERNATIONAL STANDARD 2428

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION MEЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ ORGANISATION INTERNATIONALE DE NORMALISATION

Plywood — Veneer plywood with rotary cut veneer for general use — Classification by appearance of panels with outer veneers of birch

Contreplaqué – Contreplaqué à plis, avec placages déroulés, pour usage général – Classification, selon l'aspect, des panneaux à placages extérieurs de bouleau (standards.iteh.ai)

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<u>ISO 2428:1974</u> https://standards.iteh.ai/catalog/standards/sist/3b8ba21a-ba60-43af-9821-2011c2c70747/iso-2428-1974

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Descriptors : plywood, birch wood, classification, defects, visual inspection.

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 2428 was drawn up by Technical Committee VIEW ISO/TC 139, *Plywood*, and circulated to the Member Bodies in November 1971.

(standards.iteh.ai) It has been approved by the Member Bodies of the following countries :

Australia	India	$\frac{\text{ISO 2428:1974}}{\text{Spain}}$
Austria	Italy	catalog/standards/sist/3b8ba21a-ba60-43af-9821-
Belgium	Netherlands 20	11c2 r 70747/iso-2428-1974
Canada	New Zealand	Turkey
Czechoslovakia	Norway	United Kingdom
Egypt, Arab Rep. of	Portugal	U.S.S.R.
Germany	Romania	Yugoslavia
Hungary	South Africa, Rep. of	

The Member Body of the following country expressed disapproval of the document on technical grounds :

France

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iTeh STANDARD PREVIEW (standards.iteh.ai)

1 SCOPE AND FIELD OF APPLICATION

This International Standard establishes the permissible defects for the classification by appearance of surfaces of general purpose veneer plywood¹⁾ with rotary cut outer/iso-24 combination of the grades of their two surfaces should be carried out in accordance with ISO 2426. veneers of birch.

NOTE - Species of birch wood used for this purpose are indicated in the annex.

2 REFERENCE

ISO 2426, Plywood - Veneer plywood with rotary cut veneer for general use - General rules for classification by appearance.

3 CLASSIFICATION BY APPEARANCE

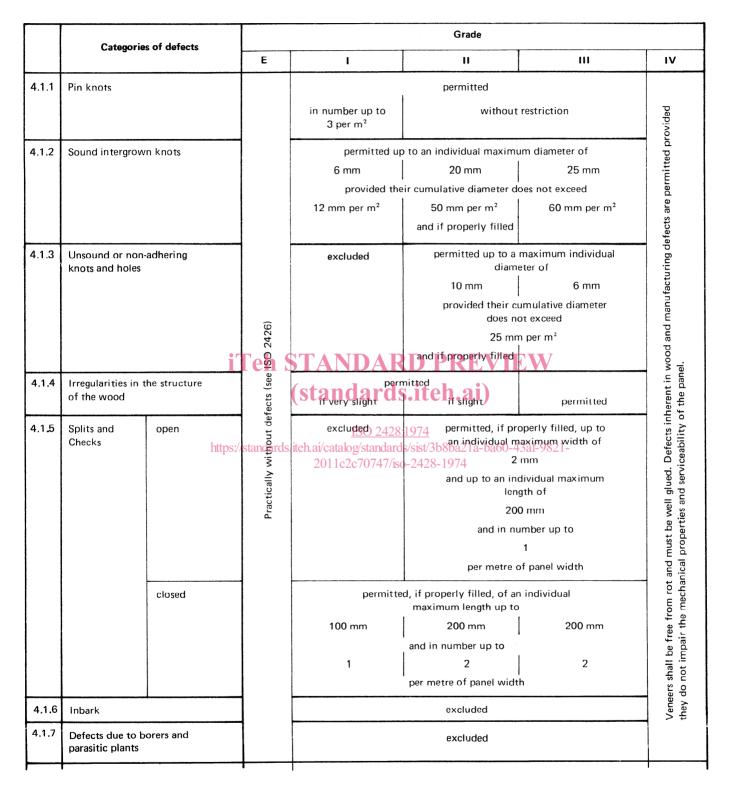
3.2 The surface of the panels should be classified by appearance based on the permissible defects laid down in clause 4.

4 PERMISSIBLE DEFECTS

Each surface is individually classified in one of the grades E, I, II, III or IV as defined by the permissible defects indicated in the following table.

¹⁾ Defined in ISO 2074, Plywood - Vocabulary.

PERMISSIBLE DEFECTS



PERMISSIBLE DEFECTS (concluded)

		Grade				
	Categories of defects	E	I	11	ш	١V
4.1.8	8 Sound discoloration		permitted if permitted very slight provided the mechanical properties are not impaired		pe	
4.1.9	Unsound discoloration and decay		excluded		orovide	
4.1.10	Open joints		excluded	permitted at the edges of filled, in number no mo maximum width up to 7 panel width	re than 1, and in	are permitted p
4.1.11	Overlaps		excluded	250 mm and in number up to 1 per m ²		uring defects (
4.1.12	Blisters		excluded		ufact	
4.1.13	Hollows, bumps and imprints	2426)	excluded	perm	nitted	d mar
	iTeh	STA	NDARD P	if very slight	if slight	od an
4.1.14	Roughness	(sta	excluded ndards.ite	perm	itted if slight	nt in wo e panel.
4.1.15	Sanding through https://standard	s.itentiai/c	excluded per if very slight excluded per andards.iten.afvery slight i/catalog/standards/sist/3b8ba21a-ba60-43af-982 20 i/c2c70747//so-2428- 974 excluded per if slight and occasional excluded permitted, if up to a maximum of 1 per m ² and of cumulativ 0,15 %		permitted up to an extent of 1 000 mm ² per m ² of panel surface	ects inhere bility of th
4.1.16	Glue penetration	≥ 20 <u>FIC2C/0747/50-2428-1974</u> a excluded permitted		itted	d. Def vicea	
		Practic		if slight and occasional	up to an extent of 5 % of the panel surface	ell gluec and ser
4.1.17	Inserts — patch — shim		excluded	permitted, if p up to a maximum of 1 per m ² and of cumulative 0,15 %	roperly made, without limitation area not exceeding 3 %	π rot and must be well glued. Defects inherent in wood and manufacturing defects are permitted provided techanical properties and serviceability of the panel.
			of total panel surface		e fror the rr	
4.1.18	Inclusions of aluminium clips		excluded permitted		be fre npair	
4.1.19	Defects at the edges of the panel due to — sanding or — sawing		permitted up to 2 mm 5 mm 5 mm from the edge		Veneers shall be free from they do not impair the me	
4.1.20	Other defects which are not indicated		To be considered under the heading of the category of defect most similar to it			

ANNEX

LIST OF THE DIFFERENT TYPES OF BIRCH USED FOR THE MANUFACTURE OF VENEER PLYWOOD

No.	Botanical name	Commercial name	Source of supply
1	Betula verrucosa EHRH	Birch	Europe U.S.S.R.
2	Betula pubescens (odorata) EHRH	Birch	Europe U.S.S.R.
3	Betula alleghaniensis	Yellow birch	North America
4	Betula papyrifera	White birch	North America
5	Betula lutea	Yellow birch	North America

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