

ISO/TC 296

Secretariat: SAC

Voting begins on:
2020-11-16

Voting terminates on:
2021-01-11

Vocabulary related to rattan materials and products

Vocabulaire relatif aux matériaux et produits en rotin

iTeh STANDARD PREVIEW
(standards.iteh.ai)

ISO/FDIS 23066

<https://standards.iteh.ai/catalog/standards/sist/05dc2b67-3b68-4467-ac3c-d07a34944447/iso-fdis-23066>

RECIPIENTS OF THIS DRAFT ARE INVITED TO SUBMIT, WITH THEIR COMMENTS, NOTIFICATION OF ANY RELEVANT PATENT RIGHTS OF WHICH THEY ARE AWARE AND TO PROVIDE SUPPORTING DOCUMENTATION.

IN ADDITION TO THEIR EVALUATION AS BEING ACCEPTABLE FOR INDUSTRIAL, TECHNOLOGICAL, COMMERCIAL AND USER PURPOSES, DRAFT INTERNATIONAL STANDARDS MAY ON OCCASION HAVE TO BE CONSIDERED IN THE LIGHT OF THEIR POTENTIAL TO BECOME STANDARDS TO WHICH REFERENCE MAY BE MADE IN NATIONAL REGULATIONS.



Reference number
ISO/FDIS 23066:2020(E)

iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO/FDIS 23066

<https://standards.iteh.ai/catalog/standards/sist/05dc2b67-3b68-4467-ac3c-d07a34944447/iso-fdis-23066>



COPYRIGHT PROTECTED DOCUMENT

© ISO 2020

All rights reserved. Unless otherwise specified, or required in the context of its implementation, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

	Page
Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
3.1 Terms for rattan harvesting	1
3.2 Terms for rattan cane	2
3.3 Terms for rattan intermediate products	2
3.4 Terms for rattan products	4
Bibliography	5

iTeh STANDARD PREVIEW (standards.iteh.ai)

ISO/FDIS 23066

<https://standards.iteh.ai/catalog/standards/sist/05dc2b67-3b68-4467-ac3c-d07a34944447/iso-fdis-23066>

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established 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. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT) see the following URL: www.iso.org/iso/foreword.html.

This document is prepared by Technical Committee ISO/TC 296, Bamboo and rattan.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

Rattan, a term derived from the Malay word for climbing palms, 'rotan', is a specialised group of scaly-fruited, spiny, climbing palms which belong to the family Palmae or Arecaceae. Rattans are monocotyledons with flexible stem and are generally found in tropical humid forest. The slender stem of the rattan is often winding like a rope and armed with thorns or bristle. It has a diameter of less than 10 cm and reaches a length of about 30 m after ten years of growth. In rare cases some species can grow up to 200 m long.

About 620 species of rattan occur in the tropical and subtropical rainforest ecosystems of Australia (Queensland), India, Bangladesh, Sri Lanka, Southeast Asia (Indonesia, Malaysia, Cambodia, Philippines, Laos, and Vietnam among others), the moist tropical forests of West and Central Africa (most especially Central Africa, Ghana, Cameroon, and Nigeria) and the Pacific (e.g., Fiji). However, South East Asian nations primarily the Philippines, Malaysia, and Indonesia are the top producers of rattan products and raw materials. Though a few species of rattan have been cultivated in Indonesia and a few other countries, the greatest proportion of production originates from natural forests.

Rattan is harvested for its cane, a versatile renewable material that has been used for making various products such as furniture, baskets, mats, walking sticks, handbags and crafts. Rattan cultivation, processing and utilisation constitute a major topic of interest in many parts of the globe in view of its role in poverty alleviation, employment generation and foreign exchange earnings. According to UN comtrade 2013, imports of rattan products globally neared USD 745 million. Global demand for rattan products is strong and new designs for rattan furniture and basketry products continue to appeal to modern consumers. Indonesia remains the major rattan product exporter, but China and Vietnam are increasing their share of the global rattan trade despite being short of raw rattan, whilst the Philippines, Myanmar, Malaysia, Thailand, Cambodia and Laos have plentiful resources but export is only relatively limited quantities.

Currently, the global trade of rattan and its products is hampered by presence of a confusing terminology in the rattan sector. Rattan materials and products trade names are often developed by rattan merchants and bear little or no relation to botanical origin. They differ from country to country and even regions to regions and thus it is impossible to ensure any degree of standardization. Usually commercial names are derived from the locality the cane comes from.

This document aims to standardize rattan materials and products terminologies as to improve the trading activities. Standardized terminologies of rattan will also allow for the standardized grading practices that will further improve international trade of rattan materials and the products.

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

ISO/FDIS 23066

<https://standards.iteh.ai/catalog/standards/sist/05dc2b67-3b68-4467-ac3c-d07a34944447/iso-fdis-23066>

Vocabulary related to rattan materials and products

1 Scope

This document defines terms relating to rattan source plants, materials, intermediate rattan products and rattan products.

This document is applicable to rattan materials and products in production and trade.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

3.1 Terms for rattan harvesting

3.1.1 rattan

general term for the spiny climbing palms of sub-family Calamoideae with slender tough stems

Note 1 to entry: Calamoideae is one of the subfamilies of Arecaceae containing 21 genera and about 620 species including the rattan palms, whose stems are harvested for the production of cane furniture and many other products.

[ISO/FDIS 23066](https://standards.iteh.ai/catalog/standards/sist/05dc2b67-3b68-4467-ac3c-d07a34944447/iso-fdis-23066)

<https://standards.iteh.ai/catalog/standards/sist/05dc2b67-3b68-4467-ac3c-d07a34944447/iso-fdis-23066>

3.1.2 rattan stem

part of *rattan* (3.1.1) plant that is above ground and bears the leaves and the plant reproductive parts

3.1.3 rattan cane

part of the *rattan stem* (3.1.2) with leaf sheath and shoot tip removed

3.1.4 rattan cirrus

spiny, whip-like structure at the tip of leaf which serves as a climbing organ in some *rattan* (3.1.1) species

3.1.5 rattan flagellum

sterile inflorescence modified as climbing organ, in the form of a barbed whip, found in some *rattan* (3.1.1) species of the genus *Calamus*

Note 1 to entry: *Calamus* is a genus of the Calamoideae. There are an estimated 400 species in this genus, mostly leaf-climbing lianas with slender, reedy stems.

3.1.6 rattan petiole

stalk of *rattan* (3.1.1) leaf

3.1.7 rattan leaf sheath

lower portion of *rattan* (3.1.1) leaf, located below the petiole, normally spiny and encircles the cane

3.1.8

rattan shoot

young or tender part of growing rattan bud

3.1.9

rattan spine

sturdy, sharp-pointed outgrowth derived from a leaf or leaf sheath

3.1.10

green rattan cane

fresh *rattan cane* (3.1.3) that has not undergone intentional drying process

3.1.11

mature rattan cane

rattan cane (3.1.3) that has attained full structural development

3.2 Terms for rattan cane

3.2.1

rattan node

thickened part of *rattan cane* (3.1.3), usually marked by a darker colour line encircling the cane

3.2.2

rattan internode

region between two adjacent nodes of a *rattan cane* (3.1.3)

3.2.3

rattan epidermis

outermost layer or skin of *rattan cane* (3.1.3) consisting of a single row of cells

3.2.4

rattan flesh

woody material underneath the *rattan epidermis* (3.2.3)

3.2.5

cane diameter

dimension of cane that is used to determine the cane diameter classes

3.2.5.1

large diameter cane

class of *rattan canes* (3.1.3) with diameter of 18 mm and above

3.2.5.2

small diameter cane

class of *rattan canes* (3.1.3) with diameter below 18 mm

3.3 Terms for rattan intermediate products

3.3.1

rattan pole

round, unsplit *rattan cane* (3.1.3) of specified length

3.3.1.1

unpeeled rattan pole

rattan pole (3.3.1) with epidermis intact

3.3.1.2

peeled rattan pole

rattan pole (3.3.1) with epidermis removed

3.3.2**pre-processed rattan**

green rattan cane (3.1.10) that has undergone a quality enhancement treatment or treatments

3.3.2.1**oil-cured rattan**

rattan cane (3.1.3) which has been immersed in hot oil media for a specific amount of time to impart desired surface colour or appearance and prevent biological degradation

3.3.2.2**fumigated rattan**

rattan cane (3.1.3) which has been exposed to suitable chemical fumes for preservation or improved surface appearance

3.3.2.3**bleached rattan**

rattan cane (3.1.3) which has been lightened in colour by bleaching agents to improve surface brightness

3.3.3**rattan derivatives**

group of flexible slender materials, namely, *peels* (3.3.3.1) and cores produced by peeling or splitting the cane longitudinally

3.3.3.1**peel**

material with skin intact obtained from the peripheral portion of the cane

3.3.3.2**round core**

core in a cylindrical form

3.3.3.3**half round core**

core with a flat surface on one side and a half circle on the other

3.3.3.4**flat core**

core with a flat surface on both sides

3.3.3.5**flat oval core**

core with a flat surface on one side and a convex on the other

3.3.3.6**oval oval core**

core with a convex on both sides

3.3.3.7**hollow oval core**

core with a concave on one side and a convex on the other

3.3.3.8**spline-wedge core**

core having wedge-like surface

3.3.4**rattan webbing**

woven rattan core or *peel* (3.3.3.1) mesh, usually in the form of sheet rolls