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Physical and mechanical properties of wood — Test methods for small clear wood specimens —

Part 18: **Vocabulary**

Propriétés physiques et mécaniques du bois — Méthodes d'essais sur petites éprouvettes de bois sans défauts —

Partie 18: Vocabulaire

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

This document was prepared by Technical Committee ISO/TC 218, *Timber*.

This first edition of ISO 13061-18 cancels and replaces ISO 9086-1:1987, which has been technically revised. The main changes compared to the previous edition are as follows:

— title of the document has been changed to reflect the content:

— the content covers all common terminologies used in the sampling and test methods of small clear wood specimens;

— the terminologies were divided into four categories: general terms commonly used in test methods, terms related to wood macrostructure, physical and to mechanical tests properties.

A list of all parts in the ISO 13061 series can be found on the ISO website.

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.

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Introduction

This document defines terms which are commonly used in sampling and testing of small clear wood specimen for physical and mechanical properties. The need to be able to comprehend and communicate clearly and precisely on the methods of sampling and testing of physical and mechanical characteristics of wood is of prime importance because of the great variety of species, variability of the material, advancement of equipment and testing facility, and many other factors that may affect the test results. Only with good similar understanding on the methods of sampling and testing that the test data from various sources can be scientifically compared and inferred.

This document has been revised into a single standard document for terminologies related to testing of small clear wood specimens for physical and mechanical characteristics of wood.

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Physical and mechanical properties of wood — Test methods for small clear wood specimens —

Part 18: Vocabulary

1 Scope

This document lists the terms and definitions relating to general concepts, macrostructure, sampling, and methods of physical and mechanical testing of wood. Other terminologies that are not mentioned in this standard are defined in ISO 24294.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

3.1 Common terms relating to wood macrostructure

3.1.1
annual ring
growth ring (3.1.2) corresponding to an annual period of growth

[SOURCE: ISO 24294:2021, 9.9, modified — Note 1 to entry was deleted.]

3.1.1.1
annual ring width
distance, measured radially, between boundaries of adjacent *annual rings* (3.1.1) of wood

3.1.2
growth ring
layer of wood produced in one growing season

[SOURCE: ISO 24294:2021, 9.8, modified — Note 1 to entry was deleted.]

3.1.2.1
growth ring width
distance, measured radially, between boundaries of adjacent *growth rings* (3.1.2)

Note 1 to entry: The width of *growth rings* (3.1.2) depends on the tree species and on growing conditions. In temperate growth zones, growth rings correspond to *annual rings* (3.1.1).

3.1.3
juvenile wood
wood formed during the early years, found at the centre of the stem and branches, possessing physical and mechanical properties different from those of wood formed later

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