INTERNATIONAL STANDARD

ISO 17959

First edition
2014-12-15

General requirements for solid wood flooring

Exigences générales pour revêtements de sol en bois massif

Reference number
ISO 17959:2014(E)

© ISO 2014



COPYRIGHT PROTECTED DOCUMENT

© ISO 2014

All rights reserved. Unless otherwise specified, 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
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

Contents

Page

Foreword ... **iv**

1 Scope ... **1**

2 Normative references ... **1**

3 Terms and definitions ... **1**

4 Requirements ... **4**
4.1 Moisture content ... 4
4.2 Geometrical characteristics ... 4
4.3 Paint film performance ... 5
4.4 Grading ... 5
4.5 Other declarations at the time of the first delivery ... 6

5 Test methods ... **6**
5.1 Geometrical characteristics ... 6
5.2 Test of moisture content and paint film performance ... 6

6 Packaging ... **7**

7 Marking ... **7**

Annex A (normative) **Test methods of measuring geometrical characteristics** ... **9**

© ISO 2014 – All rights reserved

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 meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT), see the following URL: Foreword — Supplementary information.

The committee responsible for this document is ISO/TC 218, *Timber*.

© ISO 2014 – All rights reserved

General requirements for solid wood flooring

1 Scope

This International Standard specifies the requirements and test methods of characteristics of solid wood flooring boards for internal (interior) use as flooring. It also specifies packaging and marking requirements.

It is applicable to both finished and unfinished solid wood flooring board. Solid wood parquet is not covered.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 2409, *Paints and varnishes — Cross-cut test*

ISO 3130:1975, *Wood — Determination of moisture content for physical and mechanical tests*

ISO 15184, *Paints and varnishes — Determination of film hardness by pencil test*

ISO 24294, *Timber — Round and sawn timber — Vocabulary*

ISO 16415, *Non-structural timber grading requirements*

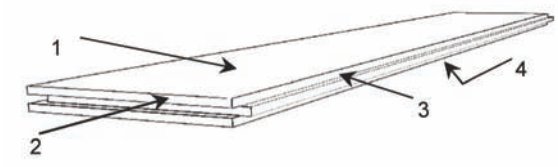
3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 24294 and the following apply.

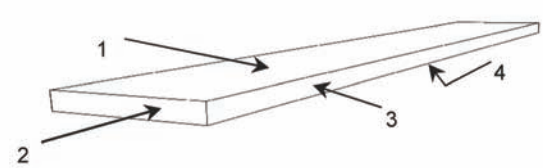
3.1
solid wood flooring
assembly of individual solid wood boards installed either on the primary structure or on the sub-floor

3.2
solid wood flooring board
long solid (single-layer) wood piece with parallel sides prepared to a regular thickness and constant profile(s) with or without profiled edges and/or ends, capable of being assembled with other analogous wood pieces

Note 1 to entry: See Figure 1.



a) With profiled edges and/or ends



b) Without profiled edges and/or ends

Key

1 face
2 end

© ISO 2014 – All rights reserved