



BSI Standards Publication

Laminate floor coverings — Determination of geometrical characteristics

National foreword

This British Standard is the UK implementation of ISO 24337:2019. It supersedes BS ISO 24337:2006, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee PRI/60, Resilient and Laminate Floor Coverings.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

© The British Standards Institution 2019

Published by BSI Standards Limited 2019

ISBN 978 0 539 01187 6

ICS 79.080; 97.150

Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 November 2019.

Amendments/corrigenda issued since publication

Date	Text affected
------	---------------

Laminate floor coverings — Determination of geometrical characteristics

*Revêtements de sol stratifiés — Détermination des caractéristiques
géométriques*





COPYRIGHT PROTECTED DOCUMENT

© ISO 2019

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
Fax: +41 22 749 09 47
Email: copyright@iso.org
Website: www.iso.org

Published in Switzerland

Contents

Page

Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Symbols	1
5 Test apparatus	2
6 Test specimen	3
6.1 General	3
6.2 Sampling	4
7 Conditioning	4
8 Test procedure	4
8.1 Determination of thickness t	4
8.1.1 Determination of thickness, t , of an element without pre-attached underlay	4
8.1.2 Determination of thickness, t , of an element with pre-attached underlay	4
8.2 Determination of length l	5
8.3 Determination of width w	5
8.4 Determination of squareness q	6
8.5 Determination of straightness s	6
8.6 Determination of width flatness f_w	7
8.6.1 Adjustment and calibration of the apparatus	7
8.6.2 Measuring	7
8.7 Determination of length flatness f_l	8
8.8 Determination of openings between elements o	9
8.8.1 Assembling	9
8.8.2 Measuring	9
8.9 Determination of height difference between elements h	9
8.9.1 Assembling	9
8.9.2 Measuring	9
9 Calculations and expression of results	9
9.1 Thickness t	9
9.2 Length l	10
9.3 Width w	10
9.4 Squareness q	10
9.5 Straightness s	10
9.6 Width flatness f_w	10
9.7 Length flatness f_l	10
9.8 Openings between elements o	10
9.9 Height difference between elements h	10
10 Test report	10
Bibliography	12

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 of 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 www.iso.org/iso/foreword.html.

This document was prepared by Technical Committee ISO/TC 219, *Floor coverings*.

This second edition cancels and replaces the first edition (ISO 24337:2006), which has been technically revised.

The main changes compared to the previous edition are as follows:

- a note has been added to the scope;
- the last paragraph of the scope has been deleted;
- in [8.1](#), an option is now given to measure thickness of elements with pre-attached underlay and, in [5.7](#), the apparatus needed has been added;
- in [8.8.1](#), eight elements are assembled instead of seven;
- in [8.8.1](#), 13 instead of 6 measuring points are indicated with the ∇ -symbol;
- in [8.6.2](#), [Figure 10](#) has been added for clarification of convex or concave deviation of flatness;
- in [8.8.1](#), a note has been added to allow assembly of extra planks;
- [Figure 12](#) is also the test assembly for measuring height differences;
- in [8.8.2](#), [8.9.2](#), [9.8](#) and [9.9](#), the text has been adapted for measuring at 13 points.

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.