

This is a preview of "ISO 24342:2018". [Click here to purchase the full version from the ANSI store.](#)

Third edition
2018-11

Resilient and textile floor-coverings — Determination of side length, edge straightness and squareness of tiles

*Revêtements de sol résilients ou textiles — Détermination de la
longueur des bords, de la rectitude des arêtes et de l'équerrage des
dalles*



Reference number
ISO 24342:2018(E)

© ISO 2018

This is a preview of "ISO 24342:2018". [Click here to purchase the full version from the ANSI store.](#)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2018

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

This is a preview of "ISO 24342:2018". Click here to purchase the full version from the ANSI store.

Contents

	Page
Foreword	iv
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Principle	2
5 Apparatus	2
5.1 Reference plate.....	2
5.2 Rigid metal or glass plate.....	3
5.3 Flat bedplate apparatus.....	3
5.4 Dial gauge, calliper gauge and/or thickness gauges.....	5
5.5 Movable dial gauges apparatus.....	5
6 Sampling and selection of specimens	6
7 Atmosphere for conditioning and testing	6
7.1 Resilient floor coverings.....	6
7.2 Textile floor coverings.....	7
8 Procedure	7
8.1 General.....	7
8.2 Side length.....	7
8.2.1 Gauge method.....	7
8.2.2 Movable dial gauge method.....	7
8.2.3 Sliding calliper method.....	7
8.3 Squareness.....	8
8.3.1 Thickness gauge method.....	8
8.3.2 Movable dial gauge method.....	8
8.4 Straightness.....	8
8.4.1 Thickness gauge method.....	8
8.4.2 Movable dial gauge method.....	8
9 Calculation and expression of the results	8
9.1 For flat bedplate apparatus (5.3) and thickness gauge (5.4).....	8
9.1.1 Side length.....	8
9.1.2 Squareness.....	8
9.1.3 Straightness.....	8
9.2 For the movable dial gauge apparatus.....	8
9.3 For the sliding calliper apparatus.....	9
10 Test report	9
Bibliography	10

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

This third edition cancels and replaces the second edition (ISO 24342:2007), which has been technically revised. The main changes compared to the previous edition are as follows:

- The Scope has been updated by including planks.
- [Clause 5](#), Apparatus, has been restructured according to the current ISO drafting rules.
- [5.1](#), Reference plate: tolerance for the angle, has been adjusted to $\pm 0,000\ 18$ rad ($0,01^\circ$), in analogy to [5.3](#) and [5.5](#).
- [Clause 9](#), Calculation and expression of the results, has been updated by including measurement of the average lengths and by specifying the precision of reporting for squareness and straightness.
- [Clause 10](#), Test report, has been updated according to modifications done in [clause 9](#).

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.