

This is a preview of "ISO 24338:2022". Click here to purchase the full version from the ANSI store.

Third edition
2022-03

Laminate floor coverings — Determination of abrasion resistance

*Revêtements de sol stratifiés — Détermination de la résistance à
l'abrasion*



Reference number
ISO 24338:2022(E)

This is a preview of "ISO 24338:2022". Click here to purchase the full version from the ANSI store.



COPYRIGHT PROTECTED DOCUMENT

© ISO 2022

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

This is a preview of "ISO 24338:2022". 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 Apparatus	2
4.1 Testing machine (for method A and B) (see Figure 1)	2
4.1.1 Test specimen holder (for method A and B)	2
4.1.2 Holding and lifting device (for method A and B)	2
4.1.3 Rubber covered abrasive wheels (for method A)	2
4.1.4 Abrasive paper strips (for method A)	2
4.1.5 Calibration plates (for method A)	3
4.1.6 Suction device (for method A)	3
4.1.7 Revolution-counter (for method A and B)	3
4.2 Grit feeder and accessories (only for method B)	3
4.2.1 General	3
4.2.2 Vacuum cleaning device	4
4.2.3 Abrading material	6
4.2.4 Leather abrading wheels	6
4.2.5 Stopwatch	6
4.2.6 Grit collection container	6
4.2.7 Calibration plates	7
4.2.8 Transparent template to evaluate the wear of the abraded area	7
4.3 Additional material or equipment (method A and B)	7
4.3.1 Weighing equipment	7
4.3.2 Conditioning chamber	7
5 Test specimens	7
6 Procedure of method A	8
6.1 General	8
6.2 Preparation of test specimens and abrasive papers	8
6.3 Preparation of abrasive wheels	9
6.4 Determination of the abrasion rate of abrasive paper	9
6.5 Abrasion of test specimen	9
6.5.1 General	9
6.5.2 Abrasion evaluation method A - octants	9
6.6 Expression of results	10
6.7 Test report	10
7 Procedure of method B	10
7.1 General	10
7.2 Maintenance of the abrading wheels	10
7.3 Operation of the abrader	11
7.3.1 To start the wear test:	11
7.3.2 To halt the wear test:	11
7.4 Calibration	11
7.4.1 Rate of grit flow	11
7.4.2 Abrading capacity	11
7.5 Abrasion of test specimen	12
7.6 Expression of results	12
7.7 Test report	13
Annex A (normative) Calibration and maintenance of abrasion equipment	14
Annex B (normative) Measurement of shore A hardness	18
Bibliography	19

This is a preview of "ISO 24338:2022". Click here to purchase the full version from the ANSI store.

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 third edition cancels and replaces the second edition (ISO 24338:2014), which has been technically revised.

The main changes are as follows:

- In [Clause 4](#), 3 samples to be taken from 3 different flooring elements instead of only one panel;
- In [Clause 5](#), the evaluation of abrasion is now in octants instead of quadrants.

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/member.html.