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**Laminate floor coverings —  
Determination of geometrical  
characteristics**

*Revêtements de sol stratifiés — Détermination des caractéristiques  
géométriques*



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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](mailto:copyright@iso.org)  
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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.

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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.

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ISO 24337 was prepared by Technical Committee ISO/TC 219, *Floor coverings*.

# Laminate floor coverings — Determination of geometrical characteristics

## 1 Scope

This International Standard gives test methods to determine the dimensional variance between elements of laminate floor coverings in a manufactured free-standing shape (unrestricted) in respect to thickness, length, width, squareness, straightness, width flatness, length flatness, openings between assembled elements and height differences between assembled elements.

The precision of the specified test methods is not known. When the interlaboratory data becomes available, a precision statement will be added in subsequent revisions.

## 2 Symbols

$d$	distance between supports on apparatus for measuring width flatness
$f_l$	length flatness of a laminate floor covering element
$f_w$	width flatness of a laminate floor covering element
$h$	height difference between assembled laminate floor covering element
$l$	length of a laminate floor covering element, visible length of the surface layer
$o$	opening between assembled laminate floor covering element
$q$	squareness of a laminate floor covering element
$s$	straightness of a laminate floor covering element
$t$	total thickness of a laminate floor covering element
$w$	width of a laminate floor covering element, visible width of the surface layer

## 3 Test apparatus

**3.1 Micrometer, calliper gauge or any other equivalent tool**, having flat and parallel circular measuring surfaces of at least 16 mm diameter and an operating force of  $(4 \pm 1)$  N, with an accuracy of  $\pm 0,05$  mm, for thickness measurements (Z-axis dimension).

**3.2 Calliper gauge or any other equivalent tool** with an accuracy of  $\pm 0,05$  mm for width measurements, and  $\pm 0,1$  mm for length measurements.

**3.3 Square** (straight edge), with arms of at least 300 mm and having a maximum angular deviation of 0,02 mm over 300 mm.