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Laminate floor coverings — Determination of geometrical characteristics

Revêtements de sol stratifiés — Détermination des caractéristiques géométriques



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Foreword

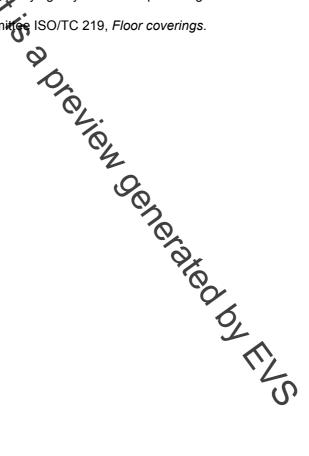
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ISO 24337 was prepared by Technical Committee ISO/TC 219, Floor coverings.



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 subsequent revisions.

2 Symbols

- *d* distance between supports on apparatus for measuring width flatness
- $f_{\rm I}$ length flatness of a laminate floor covering element
- $f_{\rm w}$ 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 eler
- *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 ± 1) N, with an accuracy of ± 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.