
**Laminate floor coverings —
Determination of thickness swelling after
partial immersion in water**

*Revêtements de sol stratifiés — Détermination du gonflement en
épaisseur après immersion partielle dans l'eau*



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Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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Foreword

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ISO 24336 was prepared by Technical Committee ISO/TC 219, *Floor coverings*.

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Laminate floor coverings — Determination of thickness swelling after partial immersion in water

1 Scope

This International Standard specifies a test method for the determination of thickness swelling of laminate floor-covering elements after partial immersion in water. The testing is destructive and is mainly intended to evaluate the behaviour of the laminate floor-covering element in contact with water. Possible pre-attached soft backing material, sub-layers or any other material integrated at the underside of the floor-covering element are not included in the test and should therefore be removed before testing.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 13329:2000, *Laminate floor coverings — Specifications, requirements and test methods*

3 Principle

Samples of laminate floor-covering elements are partially immersed (50 mm) in water, at 20 °C, during 24 h. The resulting thickness swelling is determined.

4 Sampling

4.1 Cutting the test specimens

Cut four test specimens, measuring (150 ± 1) mm \times (50 ± 1) mm out of a laminate floor-covering element. Take two samples in the direction parallel to one edge of the element, and two samples in the direction perpendicular to this first direction. Divide the element virtually into two equal parts, along both directions of the element. Take both sets of samples from each half of the element, in both directions. Take the samples, if possible, at least 20 mm away from both edges of the element. If this is impossible for some of the samples, the distance from the edge might be less than 20 mm, but in any case, the joint profile shall be cut away completely [see Figure 1a)]. If the width direction of the laminate floor-covering element is less than 150 mm, without taking into account the joint profile, all four test specimens may be taken in the length direction if possible [see Figure 1b)]. In the case that this is also impossible, the maximum number of samples shall be taken out of one floor-covering element [see Figure 1c)].