
**Laminate flooring — Topical moisture
resistance — Assembled joint**

Sol stratifié — Résistance à l'humidité superficielle – joint assemblé



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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.

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*.

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.

Introduction

The purpose of this document is to evaluate small occasional topical moisture spill resistance properties of a laminate flooring such as e.g. a glass of water falling and spilling then cleaned immediately after. A laminate floor plank/tile is cut into pieces then connected using the profiled locking edges and fastened into an assembled floating “T joint” configuration. The assembled specimen or elements are exposed to surface water, evaluated for surface swell effect, after removing the water as well as after a recovery time period. Evaluation criteria is qualitative, as well as quantitative. The method can also be utilized to evaluate joint leakage, when exposed to surface water.

This document describes how to evaluate and rate the test specimens. It also provides an annex work sheet to log and help assess specimen rating and measurement scores.

Some of the content of this document was already published in NALFA Surface Water Test_08-01-2019 [1].

Laminate flooring — Topical moisture resistance — Assembled joint

1 Scope

This document specifies a test method to evaluate moisture resistance to surface water exposure of a joined, floating, laminate flooring assembly/element. This document also establishes criteria for rating and assessing performance.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- ISO Online browsing platform: available at <https://www.iso.org/obp>
- IEC Electropedia: available at <https://www.electropedia.org/>

3.1

surface swell

evaluation of visible and measurable raised edges of an assembled Laminate flooring panel/element joint when exposed to water on the surface

3.2

assembled flooring joint

portions of a Laminate floor plank/tiles held together by their profiled edges that lock together

3.3

qualitative rating

visual and tactile assessment of the assembled flooring joints after exposure to the surface water swell test

3.4

quantitative rating

measures assessment of the thickness swelling of the assembled flooring joints after the surface water swell test

3.5

wet swell

quantitative rating of the specimen joint for surface water swell test, measured immediately after 24 h of exposure and removal of the surface water

3.6

recovery swell

quantitative rating of the specimen flooring joint for surface water swell test, measured after 24 h exposure, followed by 24 h recovery (re-drying)