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## Textile floor coverings — Water impermeability test

*Revêtements de sol textiles — Essai d'imperméabilité à l'eau*



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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](http://www.iso.org/directives)).

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For an explanation on 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 the following URL: [www.iso.org/iso/foreword.html](http://www.iso.org/iso/foreword.html).

The committee responsible for this document is ISO/TC 219, *Floor coverings*.

# Textile floor coverings — Water impermeability test

## 1 Scope

This document specifies a laboratory test method for determining the water impermeability of textile floor coverings.

This method cannot be used to characterize a wall-to-wall installation of textile floor covering tiles.

## 2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 139, *Textiles — Standard atmospheres for conditioning and testing*

ISO 1957, *Machine made textile floor coverings — Selection and cutting of specimens for physical tests*

## 3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 2424 apply.

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

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

## 4 Principle

A specified amount of coloured liquid is poured onto a textile floor covering, where it is contained in a concentrated area for 24 h. The floor covering is then evaluated for liquid penetration through the product.

## 5 Materials

**5.1 Methylene blue solution** (1 g/l) (CAS number 61-73-4).

**5.2 Open-ended cylinder**, 110 mm diameter and 110 mm high, non-water permeable, lightweight material, e.g. PVC.

**5.3 White tissue paper.**

## 6 Sampling and selection of specimen

Select three specimens from the sample in accordance with ISO 1957, each specimen measuring a minimum of 350 mm × 350 mm.