
**Textiles — Aqueous liquid repellency —
Water/alcohol solution resistance test**

Textiles — Caractère hydrophobe — Essai avec une solution eau/alcool



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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.

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.

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Textiles — Aqueous liquid repellency — Water/alcohol solution resistance test

1 Scope

This International Standard provides a guide for aqueous stain resistance. It can provide a rough index of aqueous stain resistance as, generally, the higher the aqueous liquid repellency grade, the better the resistance to staining by water/alcohol-based materials, especially water/alcohol-based liquids. This is particularly true when comparing various finishes for a given substrate. This International Standard can also be utilized for determining if washing and/or dry-cleaning treatments have any adverse effects on the aqueous liquid repellency characteristics of a substrate. It is recommended that the washing and/or dry-cleaning treatment procedures described in ISO 6330 or ISO 3175 be used for this purpose.

This International Standard is not intended to give an absolute measure of the resistance of the substrate to staining by water/alcohol-based substances. Other factors, such as the composition and viscosity of the water/alcohol-based substances, substrate construction, fibre type, dyes and other finishing agents also influence stain resistance.

This International Standard is not intended to estimate the resistance to penetration of the substrate by water/alcohol-based chemicals; for this evaluation, see ISO 6530.

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.

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

3 Terms and definitions

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

3.1 grade

⟨textile testing⟩ symbol for any step of a multi-step standard reference scale for a quality characteristic

NOTE A grade is assigned to test specimens exhibiting a degree of the quality comparable to that step of the standard reference scale.

3.2 aqueous repellency

⟨textiles⟩ characteristic of a fibre, yarn or fabric whereby it resists absorption by aqueous liquids