



BSI Standards Publication

Textiles — Smart textiles — Test method for determining the screen-touch properties of fabric

National foreword

This British Standard is the UK implementation of EN ISO 17971:2025. It is identical to ISO 17971:2025.

The UK participation in its preparation was entrusted to Technical Committee TCI/100/-/2.

A list of organizations represented on this committee can be obtained on request to its committee manager.

Attention is drawn to the fact that during the development of this International Standard, the UK committee voted against its approval.

Testing under a standard atmosphere as specified in this document provides a useful way to evaluate and compare different products under the same conditions, and therefore, this is an essential element of the document. However, the test method can also be used to evaluate products in relation to their intended use. Whilst the inclusion of [Annex B](#) is a useful addition to the document, it does not cover products such as gloves that will be worn in low temperature, low humidity conditions. 16 %RH to 20 %RH is not particularly low considering gloves can be worn in sub-zero temperatures when the ambient humidity can reach close to zero %RH.

When evaluating fabrics to be used to make gloves, or other products, that are intended to be worn in conditions other than those described in [Clause 6](#) and [Annex B](#), the following is recommended:

- 1) the atmosphere for conditioning and testing corresponds to the temperature and relative humidity range in which the product is intended to be used;
- 2) before the test, the test specimens are conditioned for at least 24 h or until equilibrium is reached as defined in ISO 139; and
- 3) test report includes the temperature and relative humidity ranges during conditioning and testing and the conditioning time.

When testing outside of standard conditions, users should note that [Subclause B.1](#) states “Extreme testing environments can lead to decreased testing accuracy or even damage to the testing equipment.”

Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.