Footwear - Test methods for uppers - High temperature behaviour (ISO 17703:2003)

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NATIONAL FOREWORD

See Eesti standard EVS-EN ISO 17703:2018 sisaldab Euroopa standardi EN ISO 17703:2018 ingliskeelset teksti.	This Estonian standard EVS-EN ISO 17703:2018 consists of the English text of the European standard EN ISO 17703:2018.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 17.10.2018.	Date of Availability of the European standard is 17.10.2018.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

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English Version

Footwear - Test methods for uppers - High temperature behaviour (ISO 17703:2003)

Chaussures - Méthodes d'essai des tiges - Comportement aux températures élevées (ISO 17703:2003)

Schuhe - Prüfverfahren für Obermaterialien - Verhalten bei hohen Temperaturen (ISO 17703:2003)

This European Standard was approved by CEN on 20 August 2018.

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EUROPEAN COMMITTEE FOR STANDARDIZATION
COMITÉ EUROPÉEN DE NORMALISATION
EUROPÄISCHES KOMITEE FÜR NORMUNG

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European foreword

The text of ISO 17703:2003 has been prepared by Technical Committee ISO/TC 216 "Footwear" of the International Organization for Standardization (ISO) and has been taken over as EN ISO 17703:2018 by Technical Committee CEN/TC 309 "Footwear" the secretariat of which is held by UNE.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by April 2019, and conflicting national standards shall be withdrawn at the latest by April 2019.

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Endorsement notice

The text of ISO 17703:2003 has been approved by CEN as EN ISO 17703:2018 without any modification.

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Foreword

This European Standard has been prepared by Technical Committee CEN/TC 309 "Footwear", the secretariat of which is held by AENOR.

This European Standard shall be given the status of a national standard, either by publication of an identical text or by endorsement, at the latest by May 2002, and conflicting national standards shall be withdrawn at the latest by May 2002.

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1 Scope

This European Standard specifies a test method for determining the effect of heat on the tensile strength of uppers or complete upper assembly irrespective of the material, in order to assess the suitability for the end use.

2 Normative references

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text, and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

EN 12222 *Footwear – Standard atmospheres for conditioning and testing of footwear and components for footwear.*

prEN 13522 *Footwear - Test methods for uppers - Tensile strength and elongation.*

3 Terms and definitions

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

3.1
high temperature behaviour
resistance of a material to elevated temperatures as measured by the effect on the tensile properties of the material. Particularly applicable to materials used in vulcanised footwear

3.2
upper
materials forming the outer surface of the footwear which is attached to the sole assembly and covers the upper dorsal surface of the foot. In the case of boots this also includes the outer face of the material covering the leg. Only the materials that are visible are included, no account should be taken of underlying materials

3.3
complete upper assembly
finished upper, fully seamed, joined or laminated as appropriate, comprising the centre material and any lining(s) together with all components such as interlinings, adhesives, membranes, foams or reinforcements, but excluding toe puffs and stiffeners

NOTE The complete upper assembly can be flat, 2-dimensional or comprise lasted upper in the final footwear.

4 Apparatus and material

The following apparatus and material shall be used:

4.1 A rapid acting platen press with:

4.1.1 The capability of applying a pressure of 1 000 kPa ± 50 kPa on an area of 160 mm x 25 mm.

4.1.2 Upper and lower platens with smooth metal surfaces.

4.1.3 Means of maintaining upper and lower platen temperatures as specified in Table 1.

4.2 A thermometer capable of measuring the temperature of the surface of the platens to the nearest 1 °C.