

ICS 61.060

English Version

**Footwear - Performance requirements for components for
footwear - Stiffeners and toepuffs (ISO/TR 22648:2007)**

Chaussures - Exigences de performance pour les
composants des chaussures - Contreforts et renforts
(ISO/TR 22648:2007)

Schuhe - Anforderungen an das Gebrauchsverhalten von
Schuhbestandteilen - Hinterkappen und Vorderkappen
(ISO/TR 22648:2007)

This Technical Report was approved by CEN on 21 August 2006. It has been drawn up by the Technical Committee CEN/TC 309.

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Foreword

This document (CEN ISO/TR 22648:2007) has been prepared by Technical Committee CEN/TC 309 "Footwear", the secretariat of which is held by AENOR, in collaboration with Technical Committee ISO/TC 216 "Footwear".

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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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.

ISO/TR 22648 was prepared by the European Committee for Standardization (CEN) Technical Committee CEN/TC 309, *Footwear*, in collaboration with Technical Committee ISO/TC 216, *Footwear*, in accordance with the Agreement on technical cooperation between ISO and CEN (Vienna Agreement).

Footwear — Performance requirements for components for footwear — Stiffeners and toepuffs

1 Scope

This Technical Report establishes the performance requirements for stiffener and toepuff components for footwear (not for finished footwear), irrespective of the material, in order to assess the suitability for the end use and/or fitness for purpose. It also establishes the test methods to be used to evaluate the compliance with the requirements.

This Technical Report applies to stiffeners and toepuffs for all kind of footwear as defined in Clause 3.

This Technical Report is intended to be used as a reference between the manufacturer and the supplier. It is not intended for third party certification of finished shoes destined for the consumer.

This Technical Report does not establish the degrees of hardness that have to be chosen by the manufacturer.

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 31-0, *Quantities and units — Part 0: General principles*

ISO 17709, *Footwear — Sampling location, preparation and duration of conditioning of samples and test pieces*

EN ISO 19952, *Footwear — Vocabulary*

EN ISO 20863, *Footwear — Test methods for stiffeners and toepuffs — Bondability*

EN ISO 20864, *Footwear — Test methods for stiffeners and toepuffs. Mechanical characteristics*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in EN ISO 19952 apply.

4 Requirements

4.1 General

This Technical Report establishes performance (essential) requirements, all of which shall be taken into account.

The results of each single analytical determination, as well as the average values, shall be rounded off in accordance with ISO 31-0.

When taken from finished footwear, samples shall be prepared in accordance with ISO 17709.