



# SLOVENSKI STANDARD

## SIST EN 12749:2000

01-december-2000

---

### Footwear - Ageing conditioning

Footwear - Ageing conditioning

Schuhe - Konditionierung für die Alterungsprüfung

Chaussures - Conditionnement en vue du vieillissement

Ta slovenski standard je istoveten z: EN 12749:1999

[SIST EN 12749:2000](https://standards.iteh.ai/catalog/standards/sist/a48666de-ca3d-4dd5-9bb0-17431e740cc9/sist-en-12749-2000)

<https://standards.iteh.ai/catalog/standards/sist/a48666de-ca3d-4dd5-9bb0-17431e740cc9/sist-en-12749-2000>

#### **ICS:**

61.060

Obuvala

Footwear

**SIST EN 12749:2000**

**en**

## **iTeh STANDARD PREVIEW** **(standards.iteh.ai)**

SIST EN 12749:2000

<https://standards.iteh.ai/catalog/standards/sist/a48666de-ea3d-4dd5-9bb0-17431e740cc9/sist-en-12749-2000>

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

EN 12749

September 1999

ICS 61.060

English version

Footwear - Ageing conditioning

Chaussures - Conditionnement en vue du vieillissement

Schuhe - Konditionierung für die Alterungsprüfung

This European Standard was approved by CEN on 9 August 1999.

CEN members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration. Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CEN member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CEN member into its own language and notified to the Central Secretariat has the same status as the official versions.

CEN members are the national standards bodies of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

(standards.iteh.ai)

SIST EN 12749:2000

<https://standards.iteh.ai/catalog/standards/sist/a48666de-ea3d-4dd5-9bb0-17431e740cc9/sist-en-12749-2000>



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

Central Secretariat: rue de Stassart, 36 B-1050 Brussels

## Contents

	Page
Foreword .....	3
1 Scope .....	4
2 Normative references .....	4
3 Definitions .....	4
4 Apparatus and material .....	4
5 Sampling and conditioning .....	5
6 Procedure .....	5
7 Expression of results .....	5
8 Test Report .....	6

**iTeh STANDARD PREVIEW**  
(standards.iteh.ai)

SIST EN 12749:2000

<https://standards.iteh.ai/catalog/standards/sist/a48666de-ea3d-4dd5-9bb0-17431e740cc9/sist-en-12749-2000>

## 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 March 2000, and conflicting national standards shall be withdrawn at the latest by March 2000.

According to the CEN/CENELEC Internal Regulations, the national standards organizations of the following countries are bound to implement this European Standard: Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and the United Kingdom.

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN 12749:2000

<https://standards.iteh.ai/catalog/standards/sist/a48666de-ea3d-4dd5-9bb0-17431e740cc9/sist-en-12749-2000>

## 1 Scope

This draft standard specifies laboratory procedures which are intended to imitate the effects of naturally occurring reactions. The physical properties of interest are measured before and after the application of the specified treatments. The effect of the ageing procedures on any of the physical properties of the material may be examined.

## 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.

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

prEN 13400:1998 Footwear - Sampling location of components for footwear.

<https://standards.iteh.ai/catalog/standards/sist/a48666de-ea3d-4dd5-9bb0-17431e740cc9/sist-en-12749-2000>

## 3 Definitions

For the purpose of this standard the definitions given in the relevant European Standard for the specific test methods apply.

## 4 Apparatus and material

The following apparatus and material shall be used:

### 4.1 For heat ageing

Oven, with forced circulation, capable of maintaining the temperature of  $70\text{ °C} \pm 2\text{ °C}$ .

### 4.2 For humidity ageing

**4.2.1** The ageing apparatus shall be of such a size that the total volume of test pieces does not exceed 10% of the free air space, and such that the test pieces are free of strain, freely exposed to the ageing atmosphere on all sides and not exposed to light.

#### 4.2.2 Glass vessel

A glass vessel with a suitable closure for maintaining the test pieces at a relative humidity of 100%, and a water-bath or drying oven for heating the vessel, capable of maintaining the temperature of  $70\text{ }^{\circ}\text{C} \pm 2\text{ }^{\circ}\text{C}$ .

### 5 Sampling and conditioning

The number, size and shape of the test pieces shall be appropriate to the property being examined, and sampling shall be done according to prEN 13400:1998 before ageing, with the dimensions defined in the particular test.

### 6 Procedure

After conditioning, the test of the required physical property shall be performed and the test pieces shall be brought rapidly to the ageing condition. The duration of heat ageing and of humidity ageing is  $168\text{ h} \pm 2\text{ h}$ .

At the end of the ageing treatment, condition the test pieces for 24 h according to EN 12222 before testing.

SIST EN 12749:2000

<https://standards.iteh.ai/catalog/standards/sist/a48666de-ea3d-4dd5-9bb0-17431e740cc9/sist-en-12749-2000>

### 7 Expression of results

The percentage change in the property being examined is given by the formula

$$\frac{\bar{x}_a - \bar{x}_o}{\bar{x}_o} \times 100$$

where

$\bar{x}_o$  is the average value of the property before ageing

$\bar{x}_a$  is the average value of the property after ageing

## 8 Test Report

The test report shall include the following information:

- a) results, expressed in accordance with clause 7;
- b) full identification of the sample;
- c) reference to this method of test;
- d) indicate whether the test is heat ageing or humidity ageing;
- e) the properties determined, with their individual values before and after ageing and, if appropriate, the percentage change;
- f) date of testing.

**iTeh STANDARD PREVIEW**  
**(standards.iteh.ai)**

SIST EN 12749:2000

<https://standards.iteh.ai/catalog/standards/sist/a48666de-ea3d-4dd5-9bb0-17431e740cc9/sist-en-12749-2000>